

Figure 1

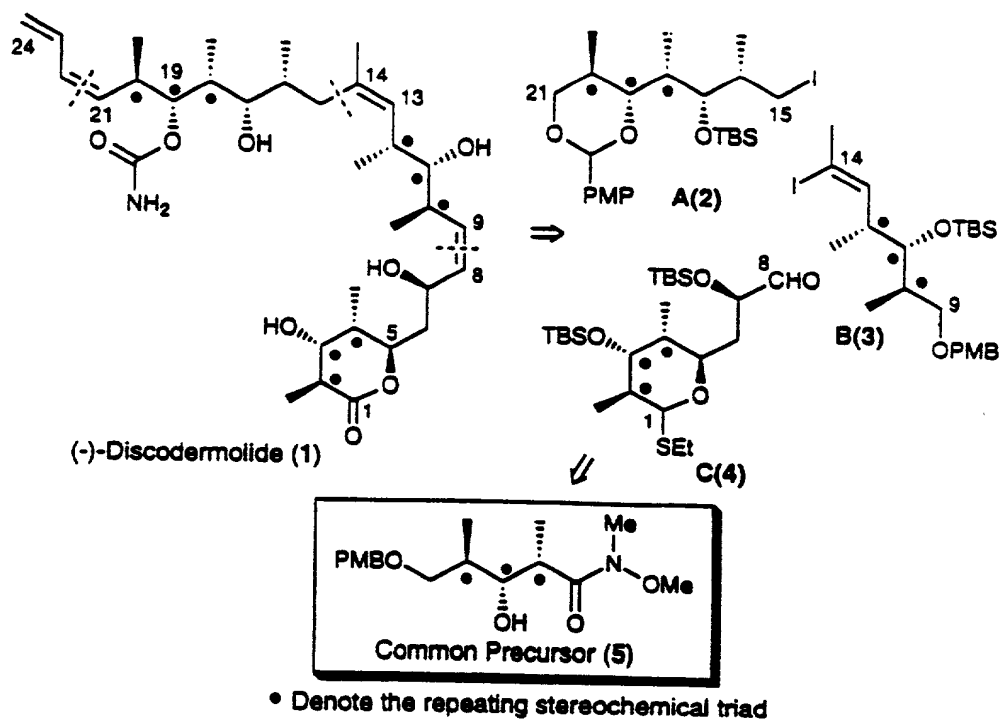


Figure 2

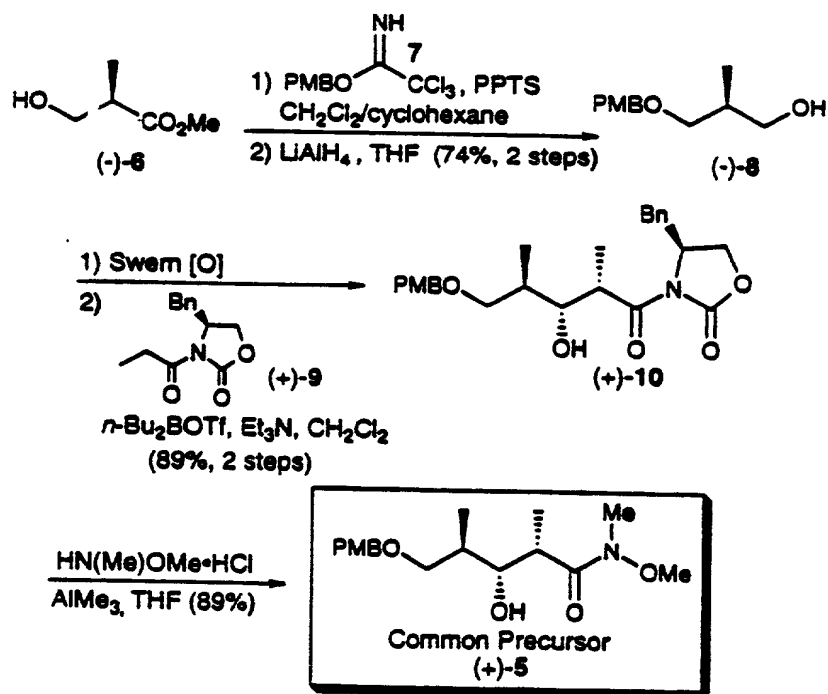


Figure 3

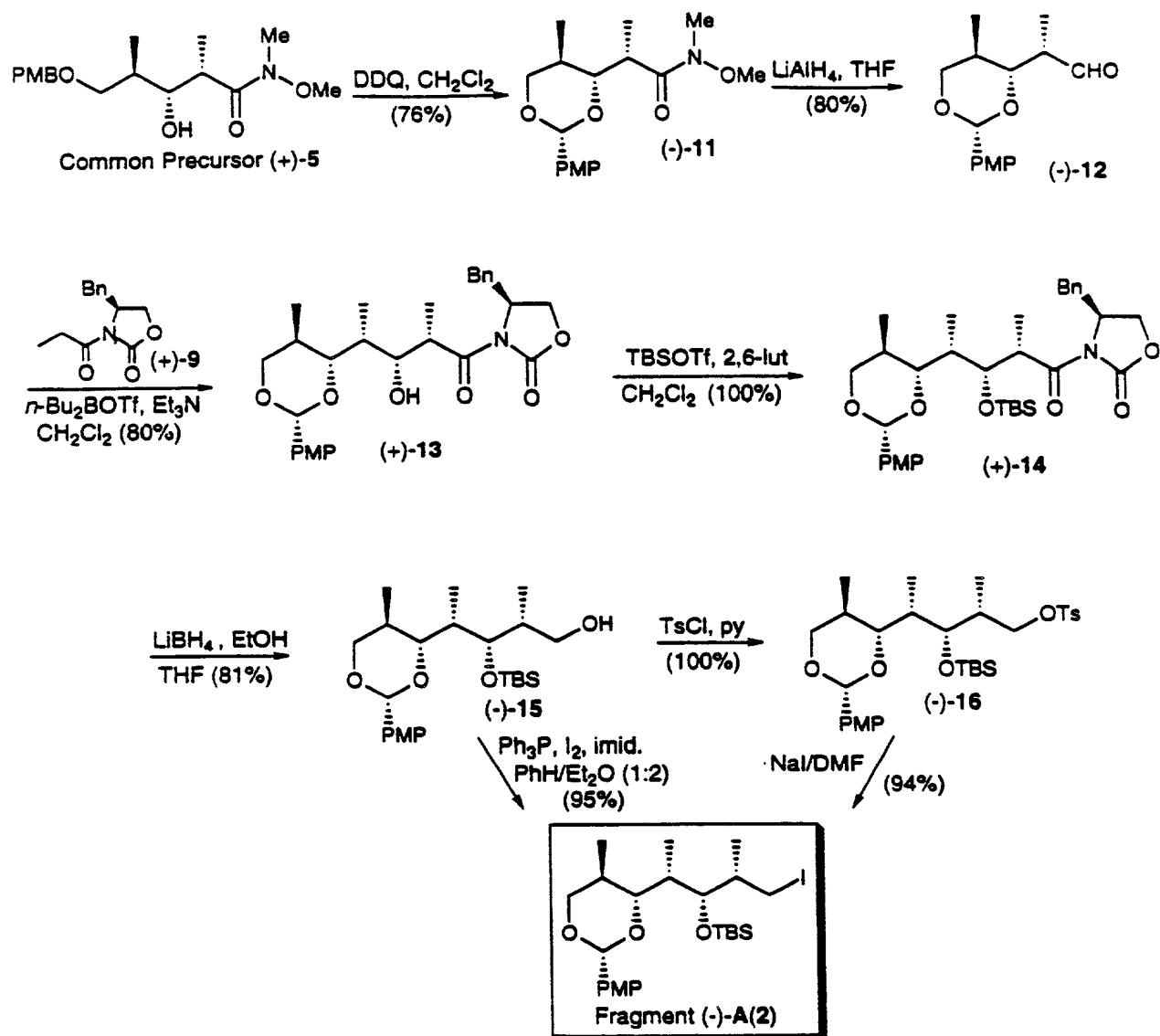


Figure 4

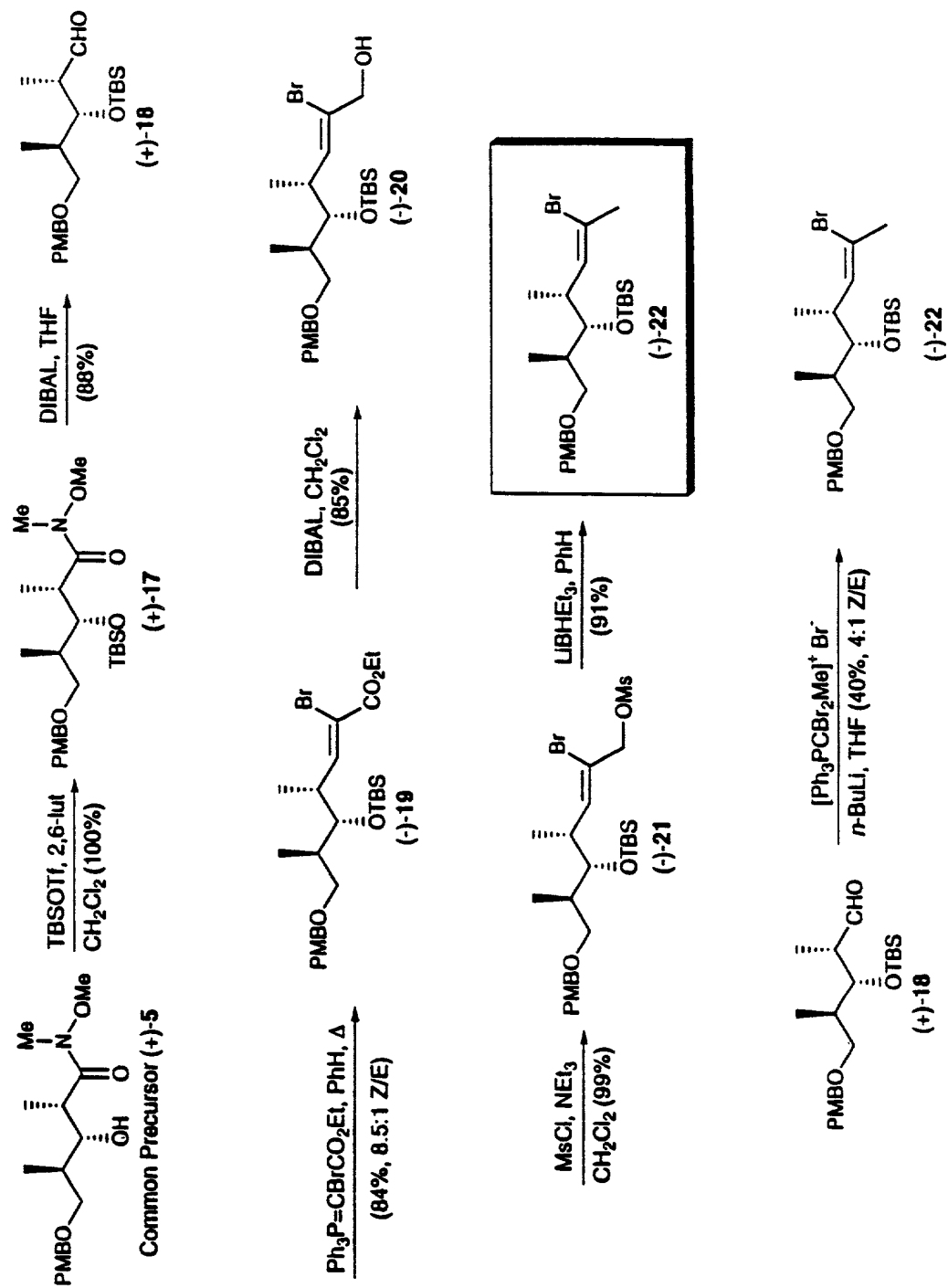


Figure 5

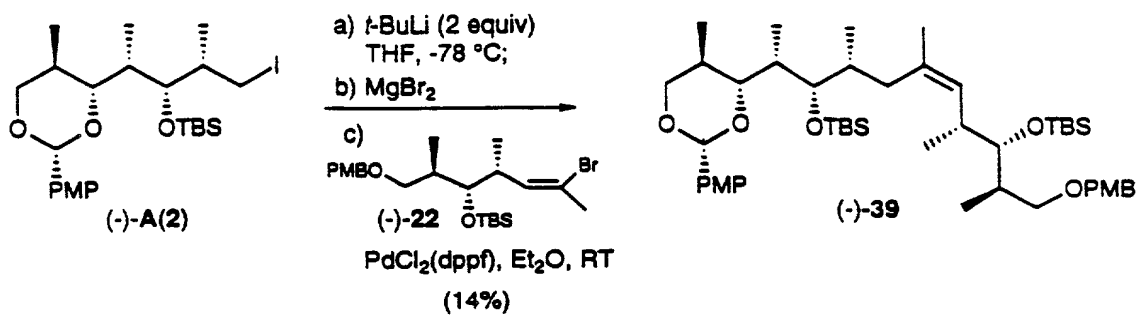


Figure 6

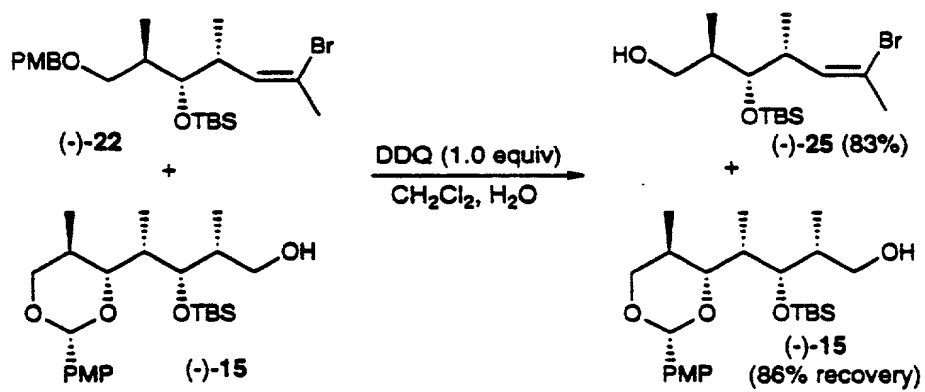
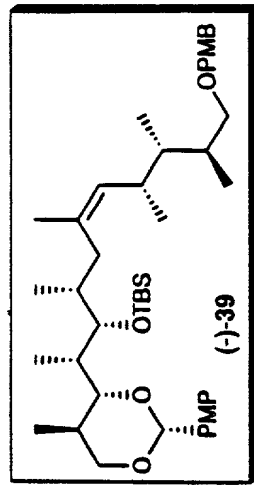






Figure 10



a)  $t\text{-BuLi}$  (3 equiv)  
 $\text{Et}_2\text{O}$   
 $-78^\circ\text{C} \rightarrow \text{RT}$   
b) (-)-**8**,  $\text{Pd}(\text{PPh}_3)_4$   
 $\text{Et}_2\text{O}$ , RT  
c) Separate **Z** and **E** isomers (66%)

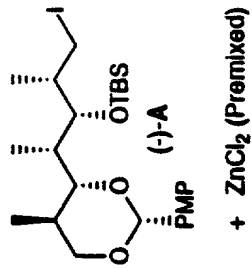


Figure 11

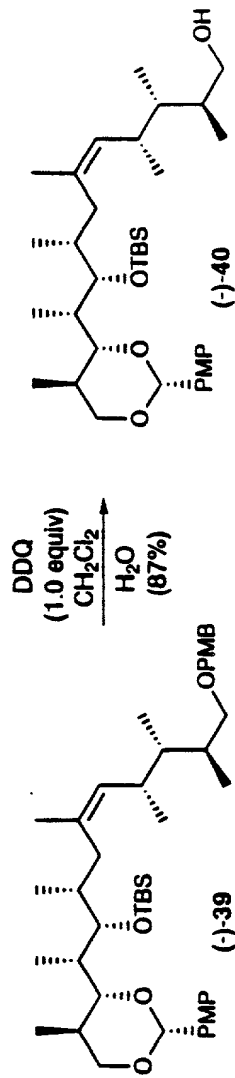


Figure 12

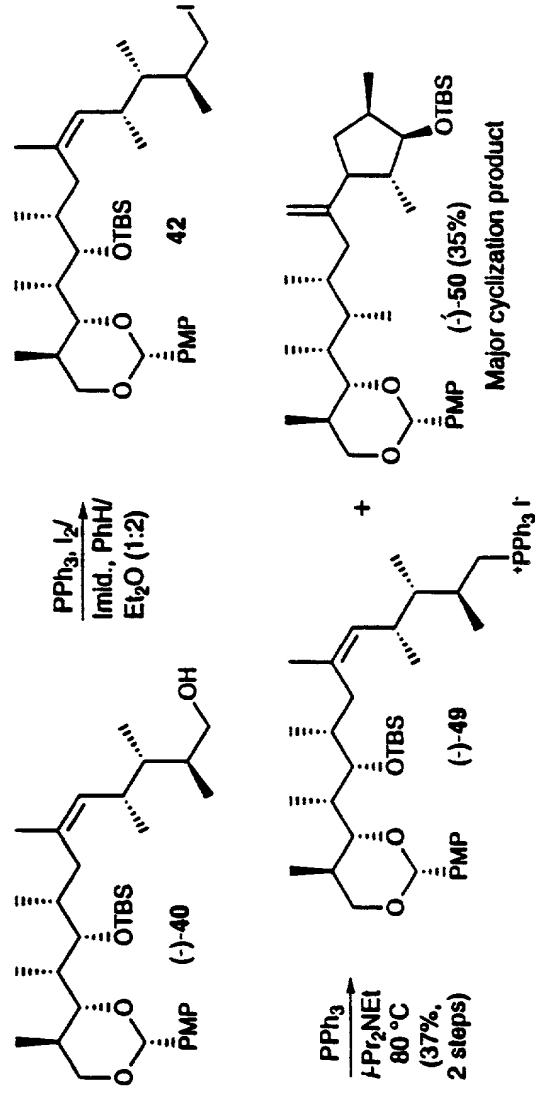




Figure 14

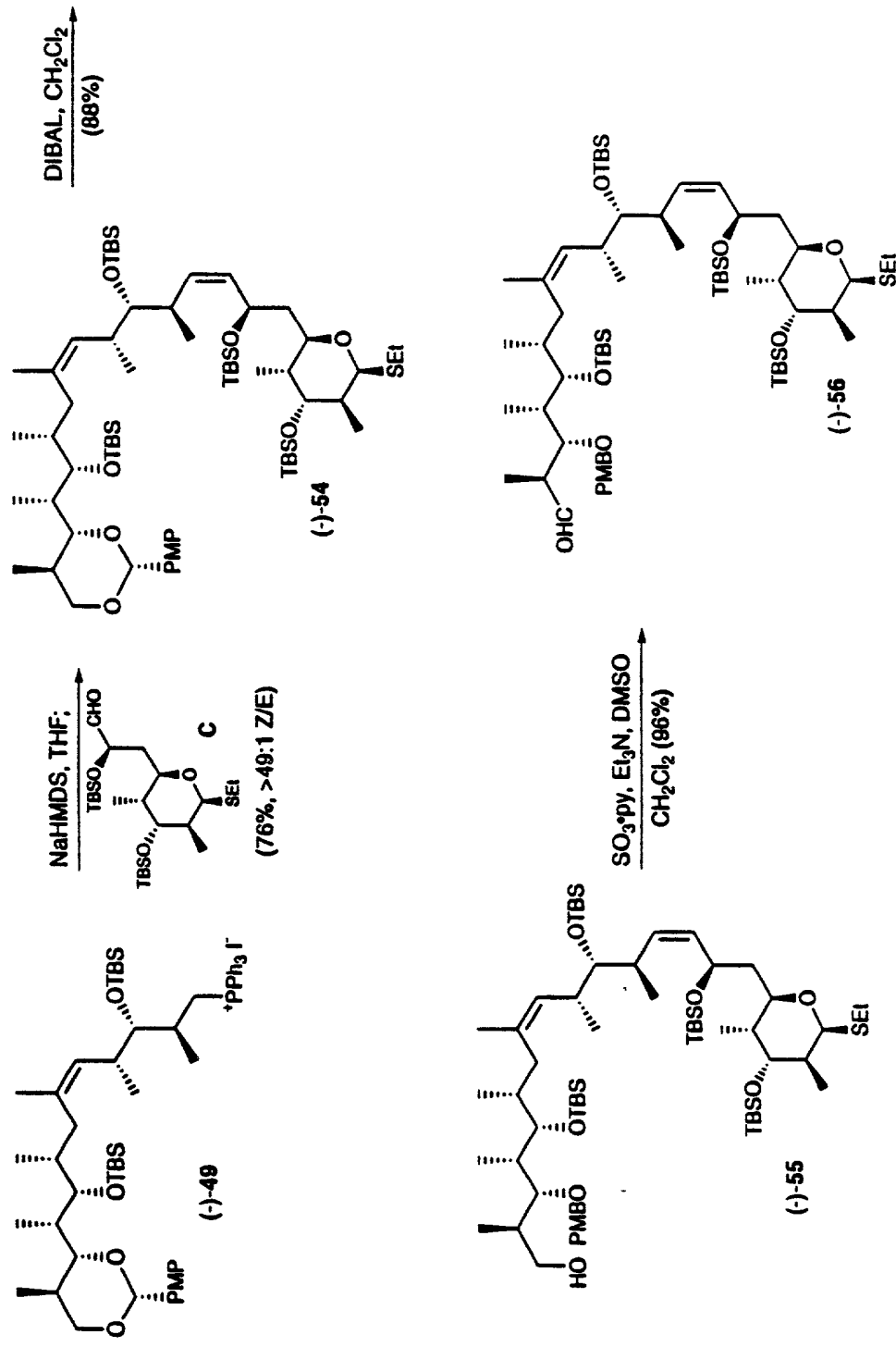


Figure 15

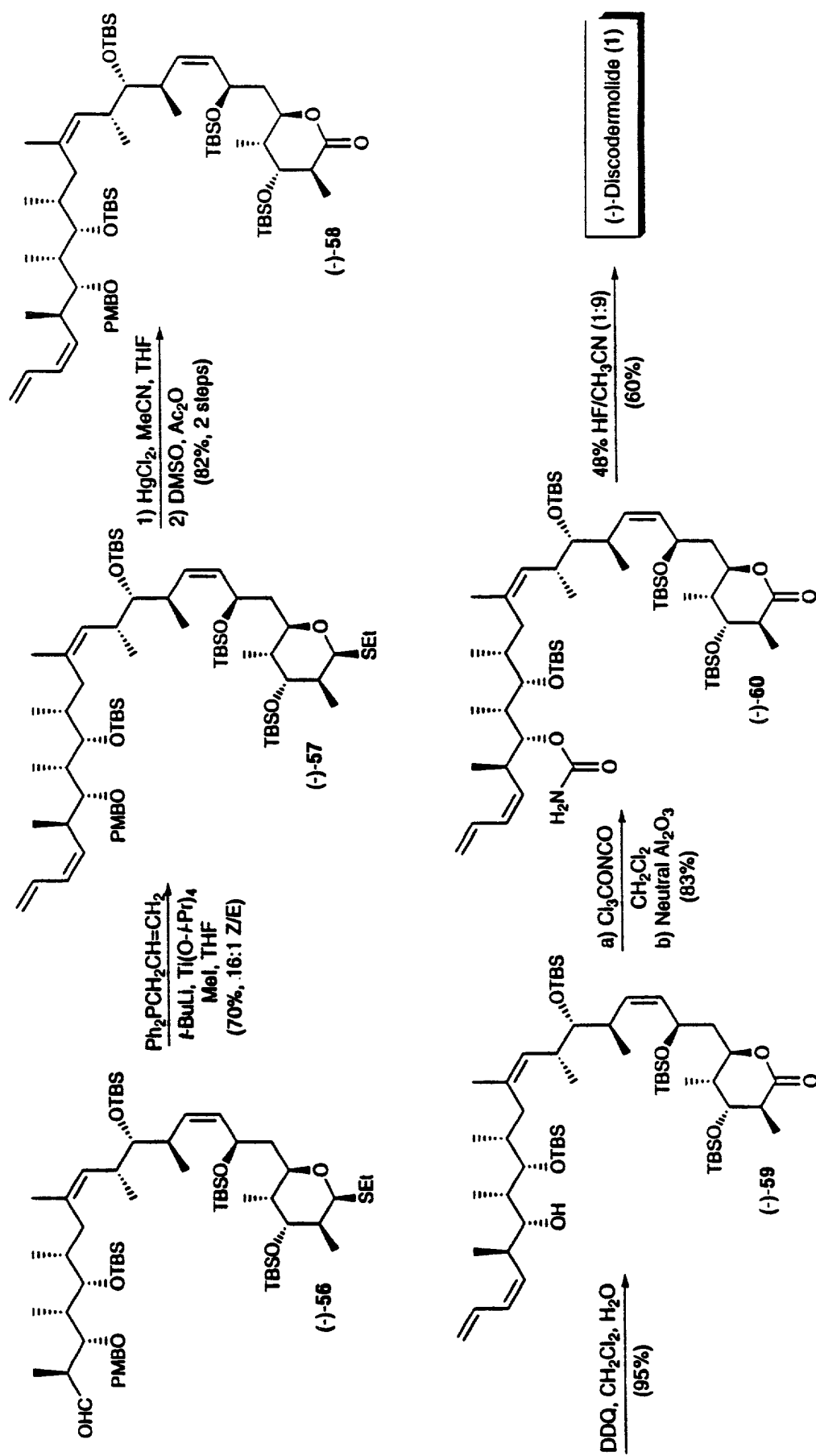


Figure 16

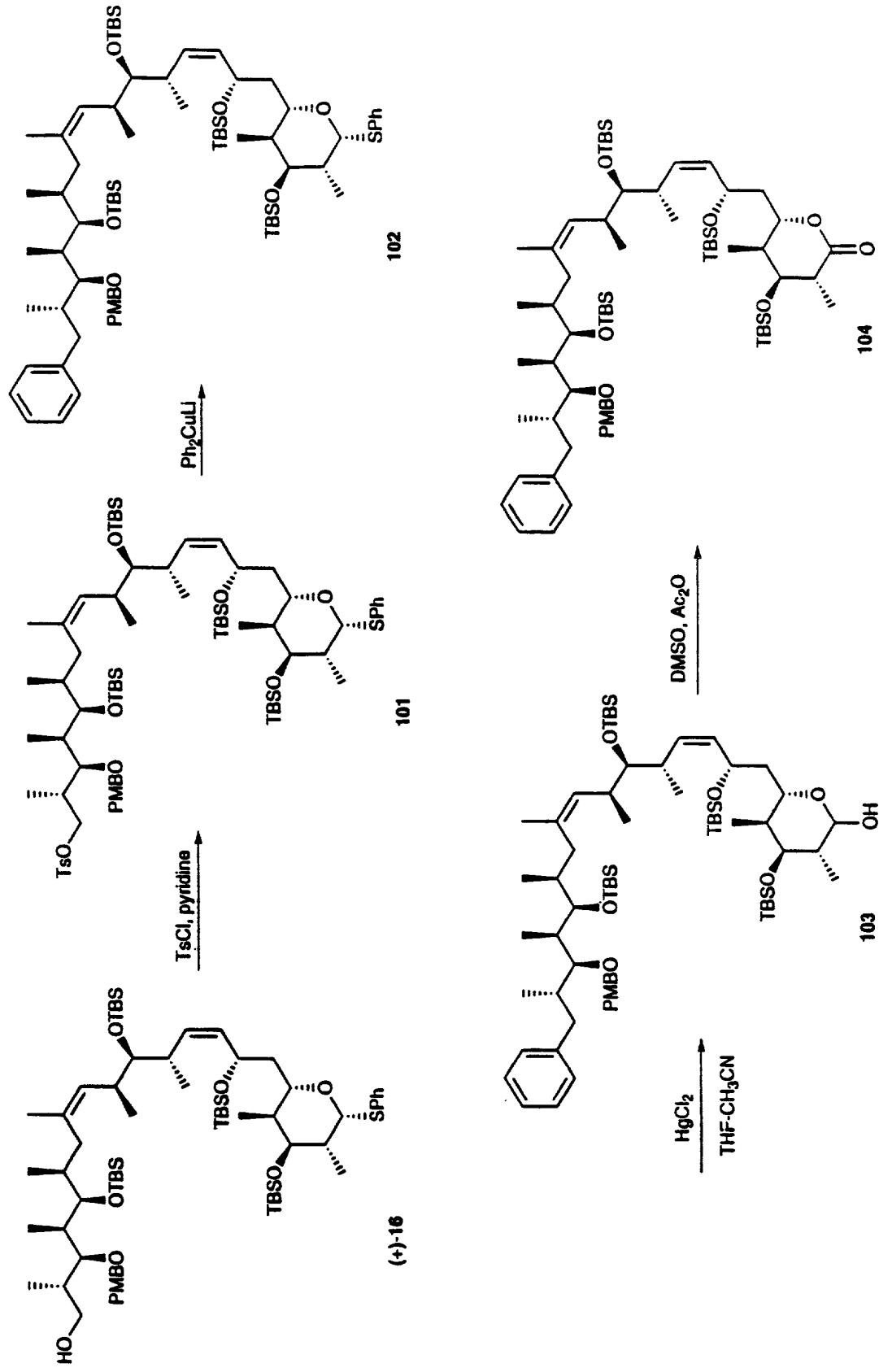


Figure 17

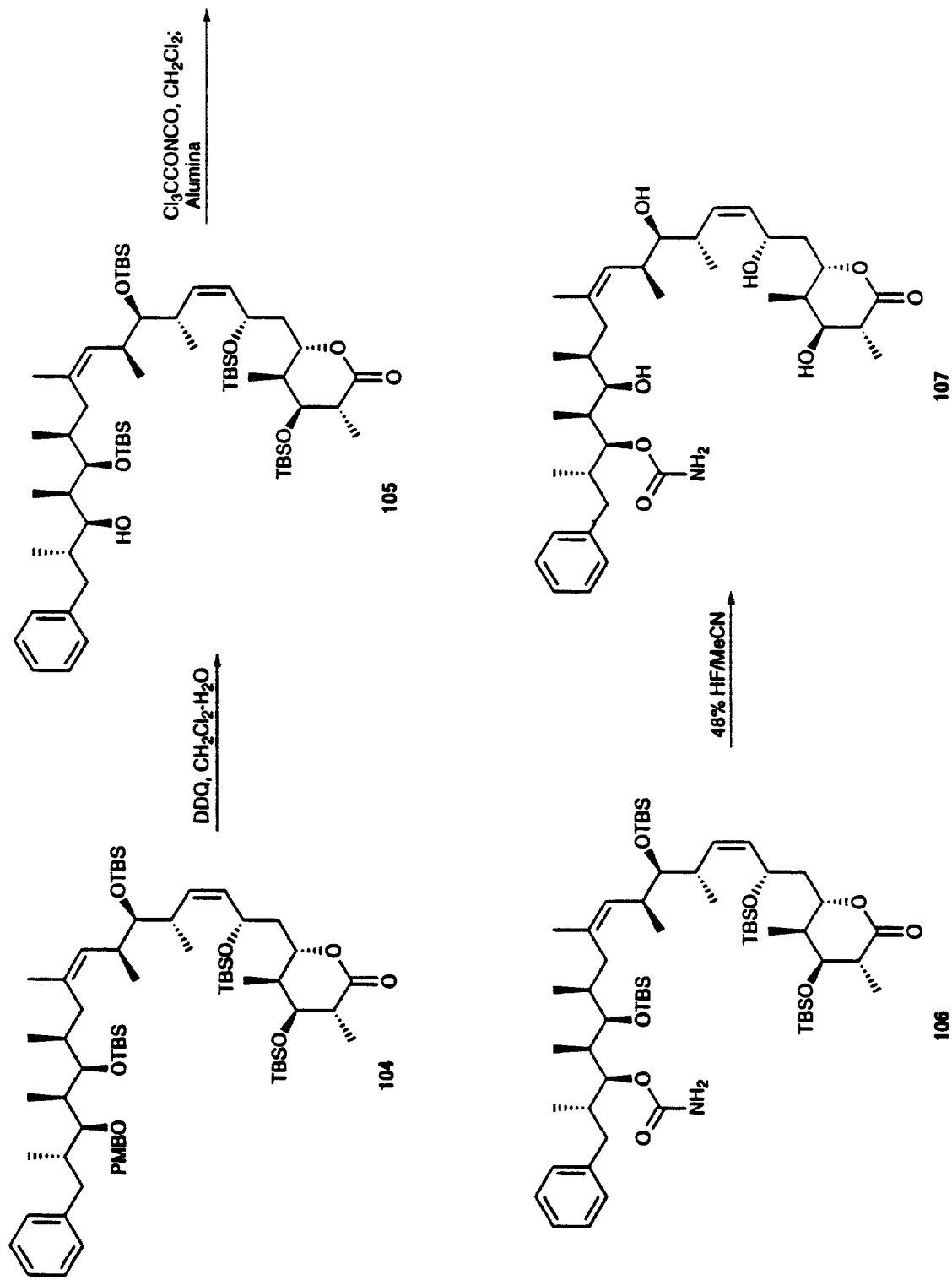






Figure 20

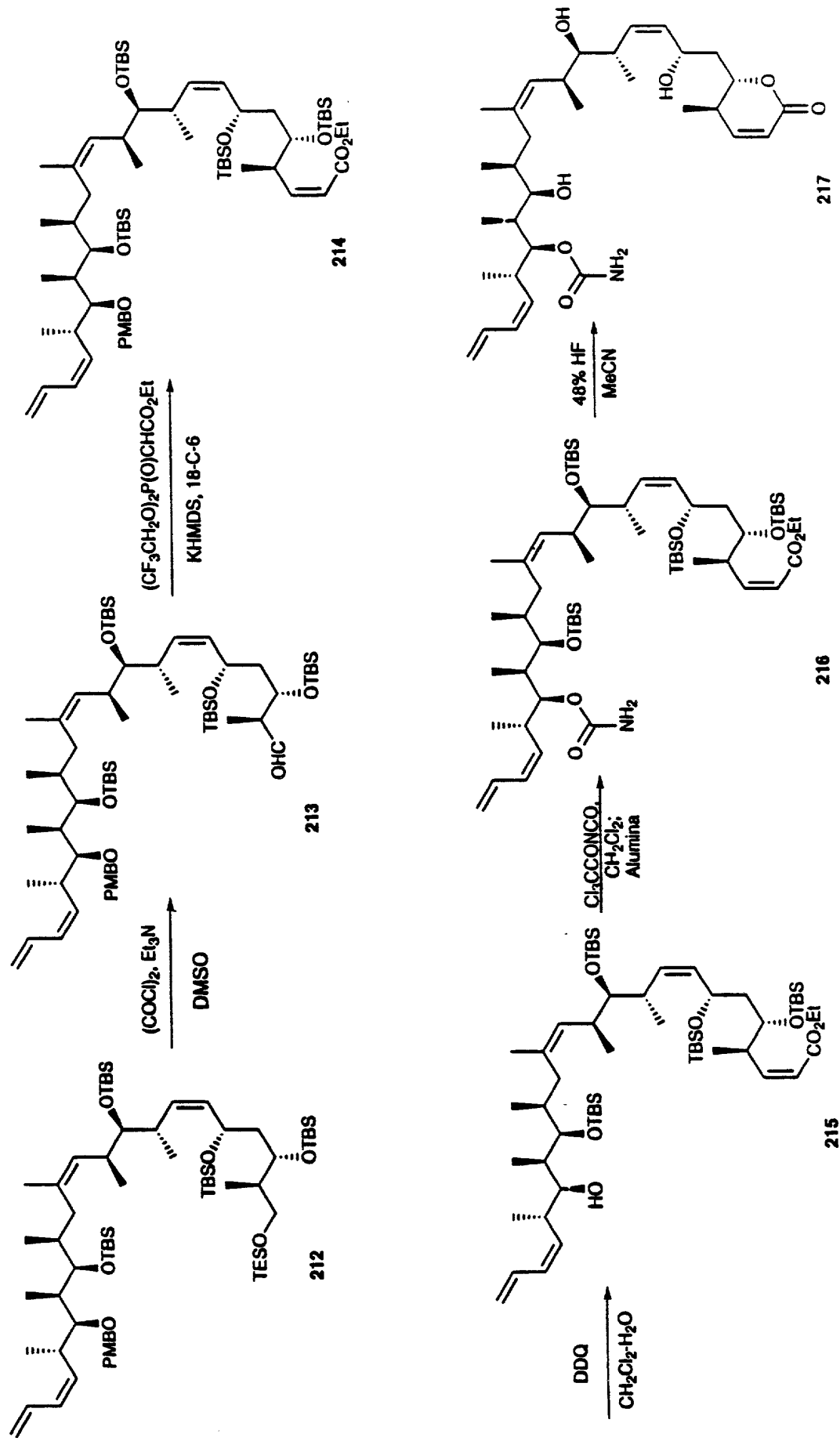


Figure 21

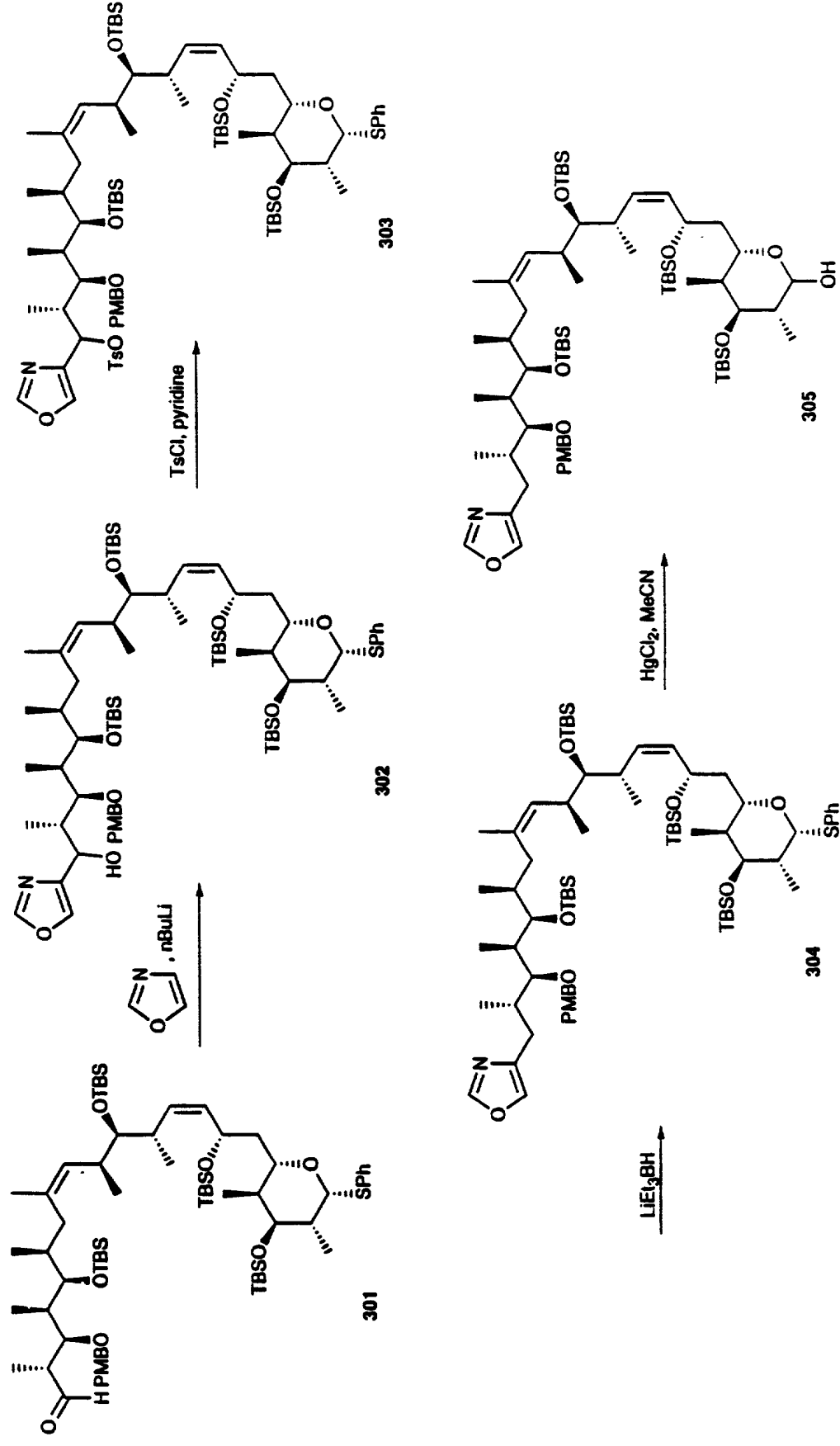


Figure 22

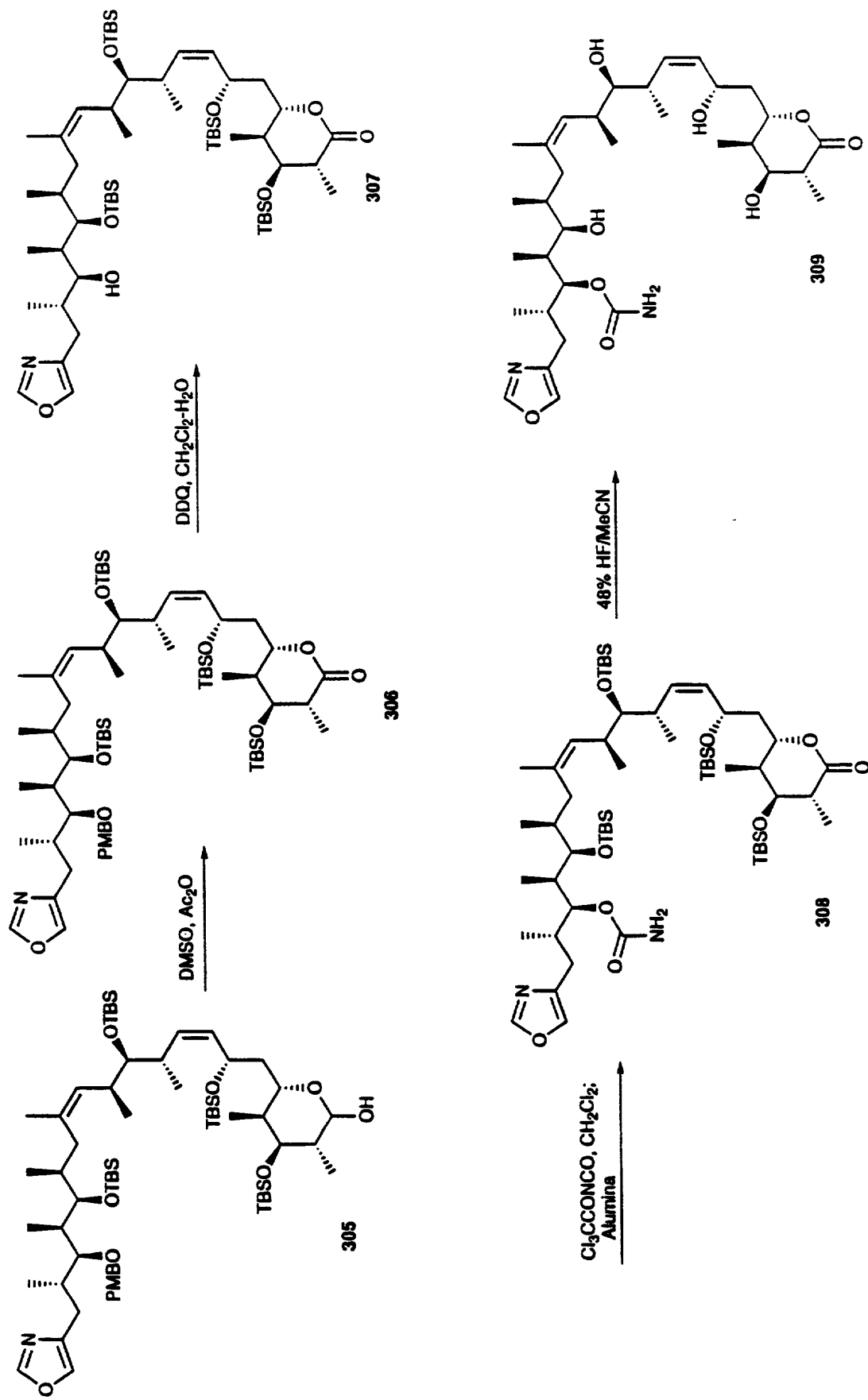


Figure 23

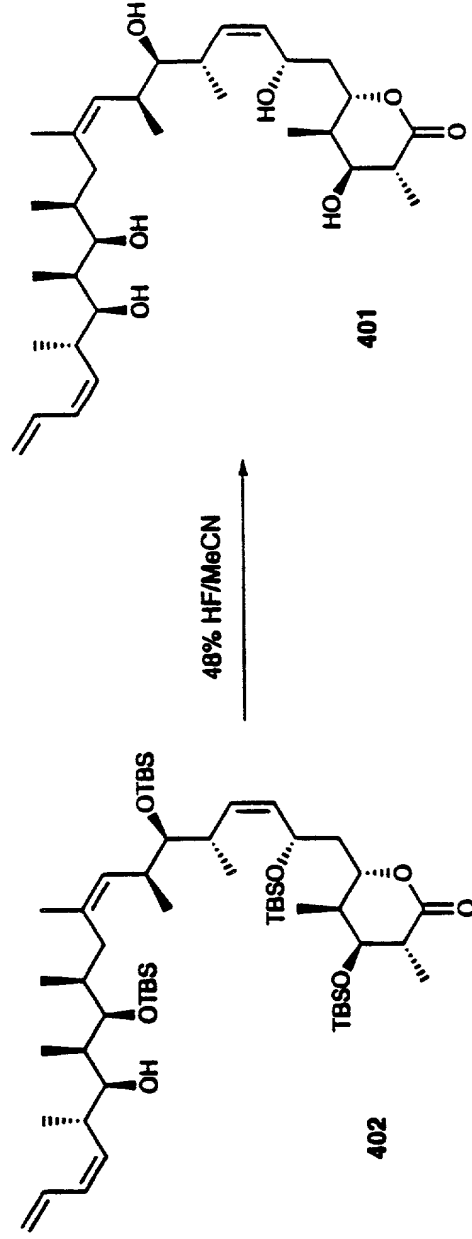


Figure 24

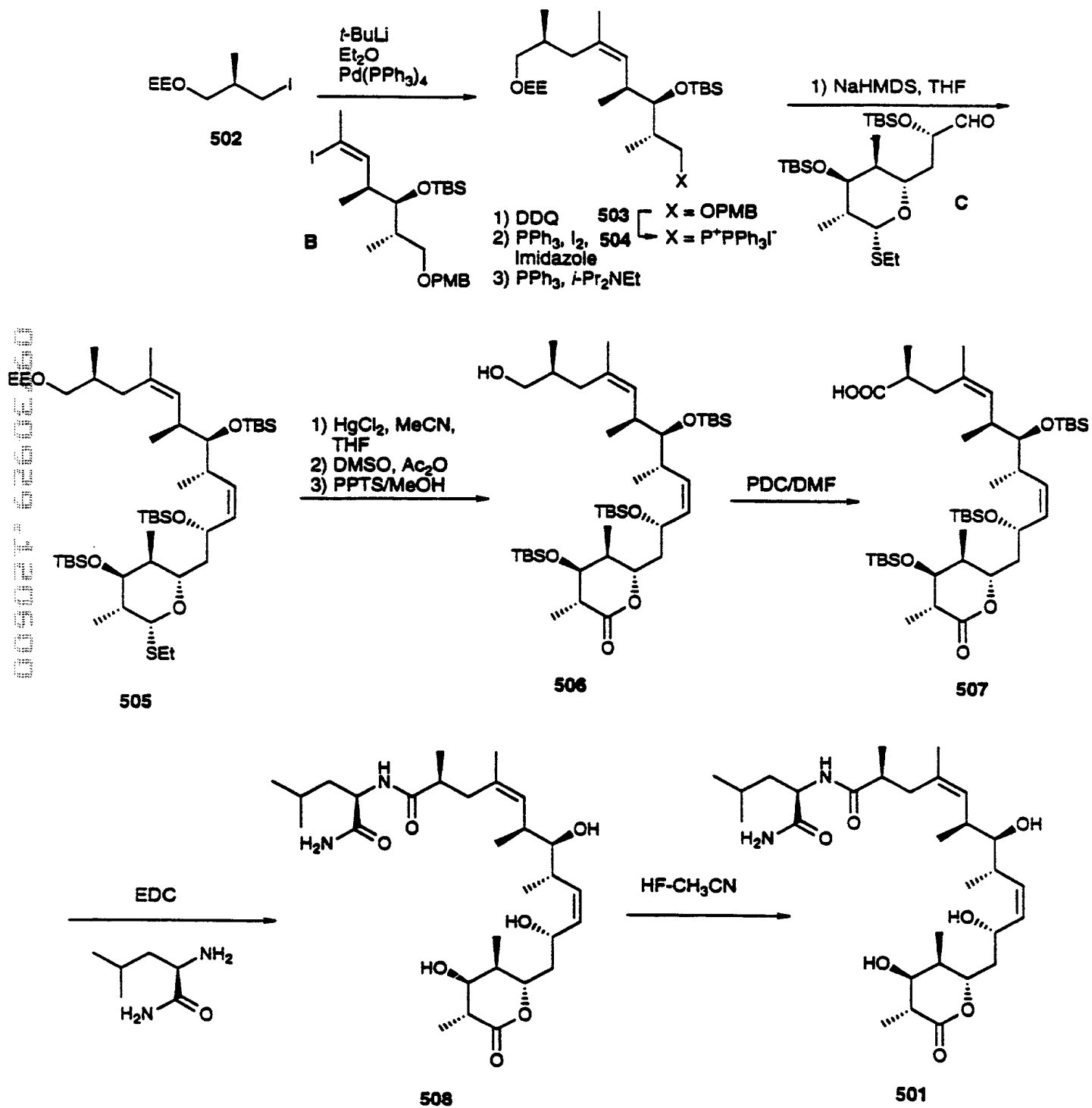


Figure 25

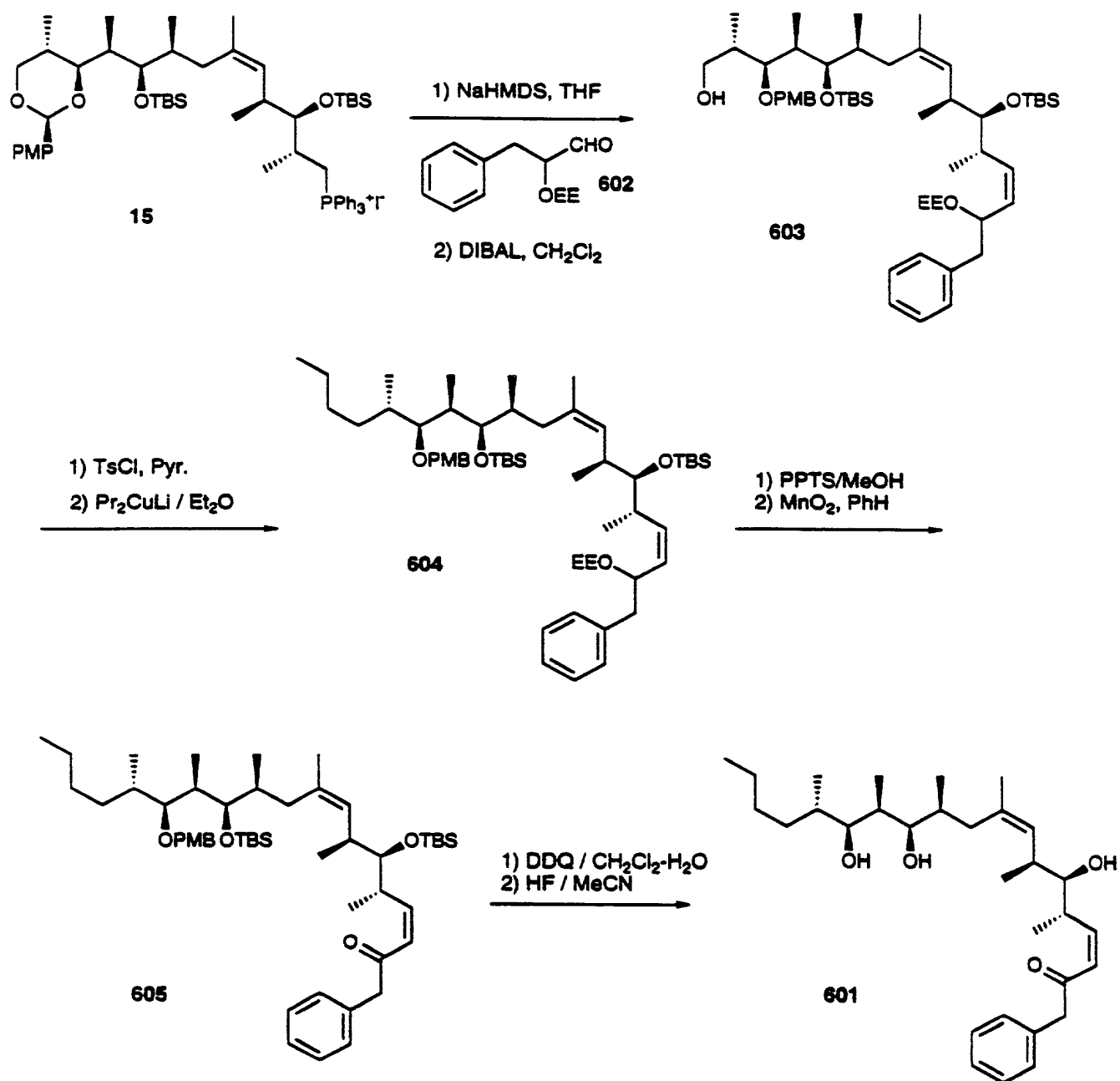
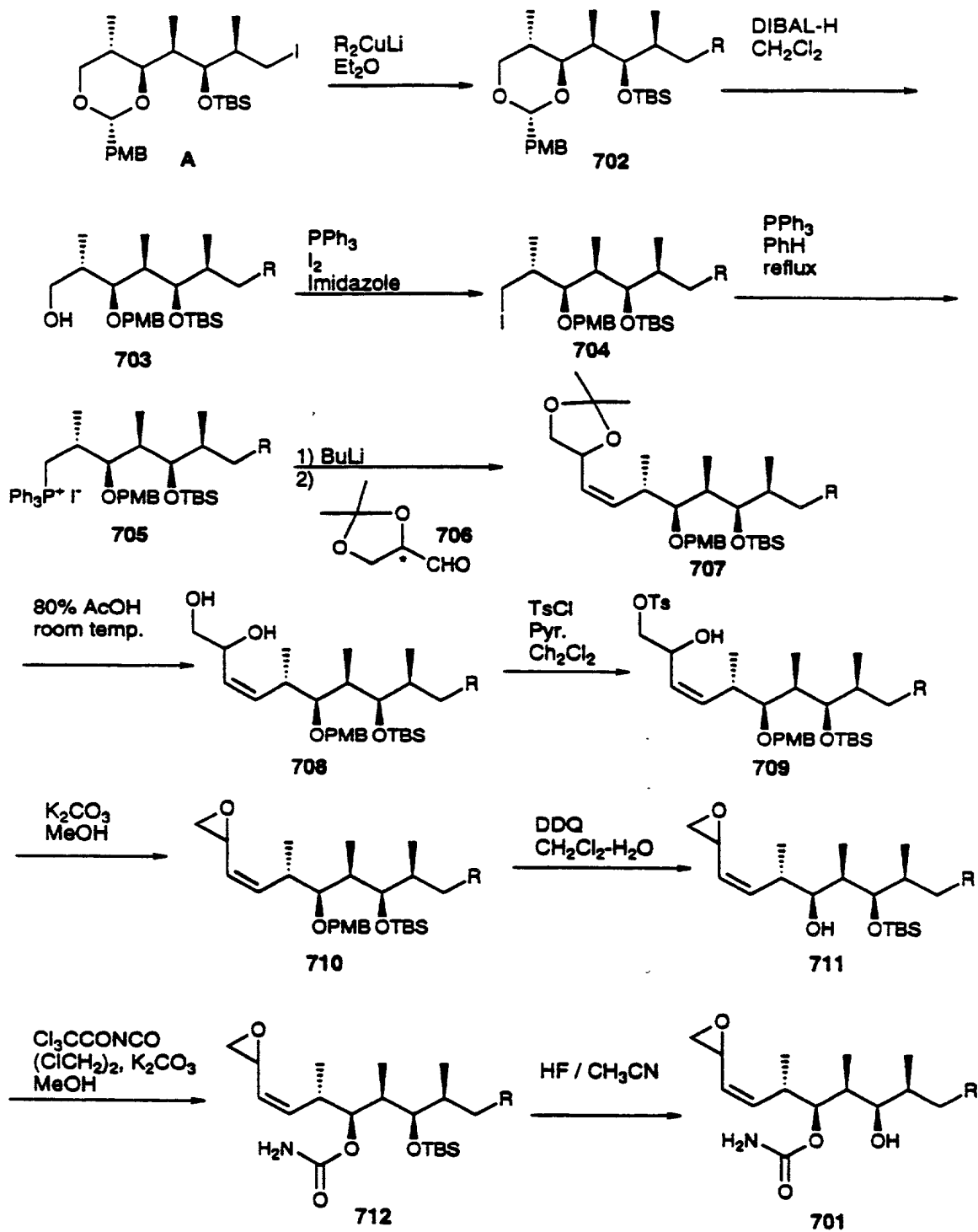


Figure 26



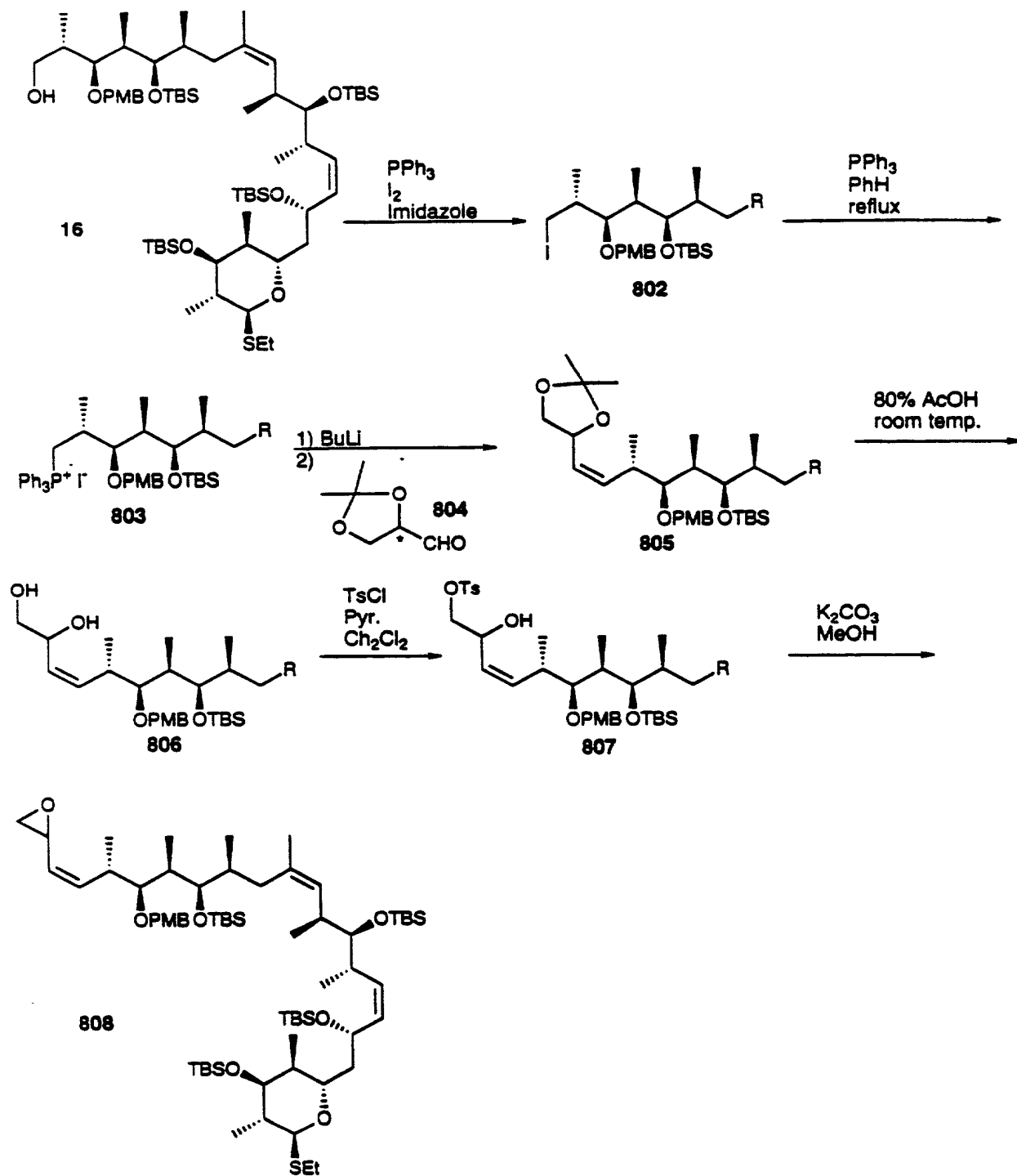
[illegible]

Figure 28

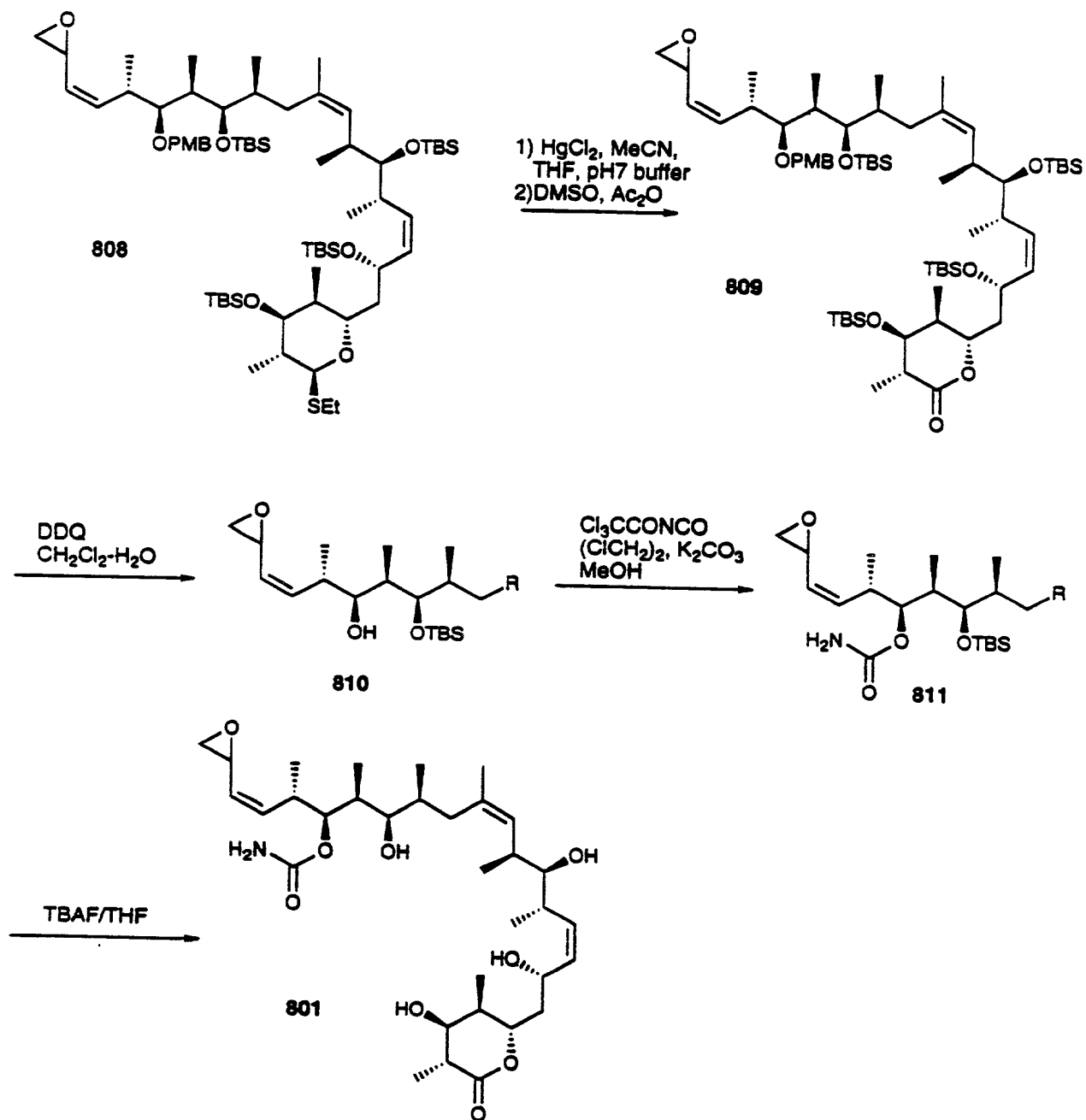


Figure 29

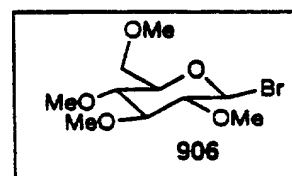
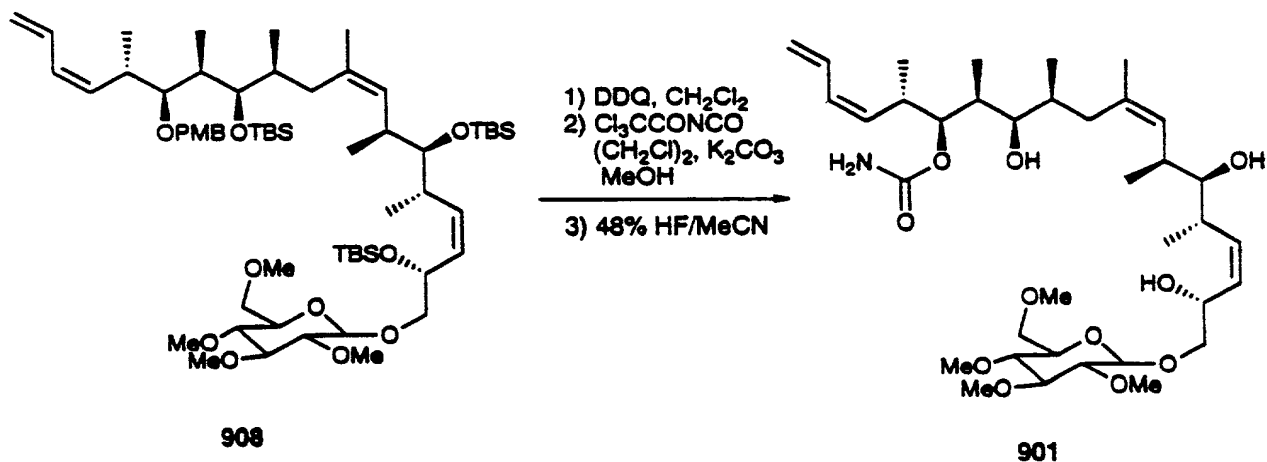
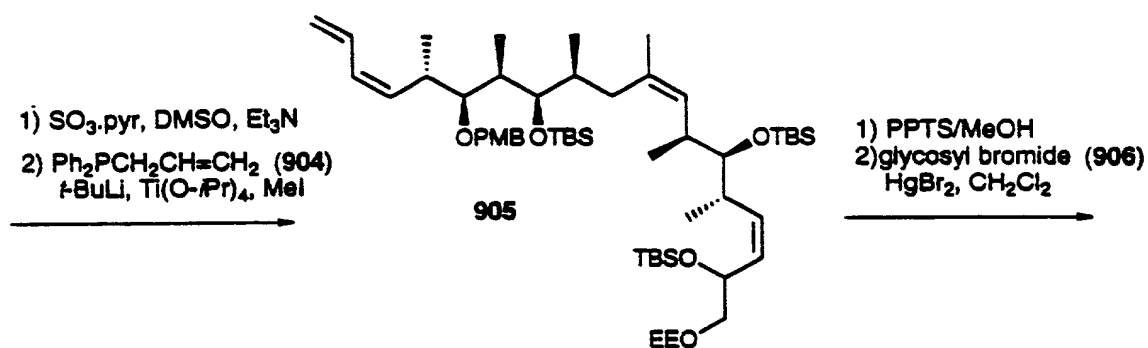
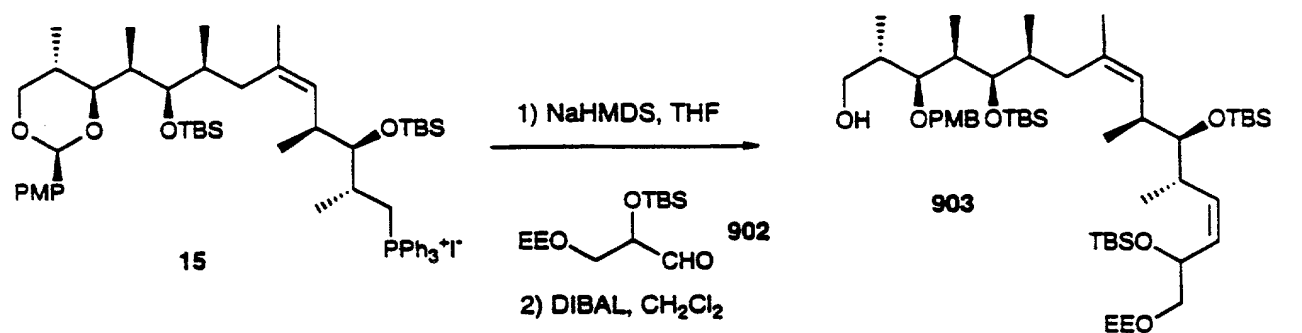


Figure 30

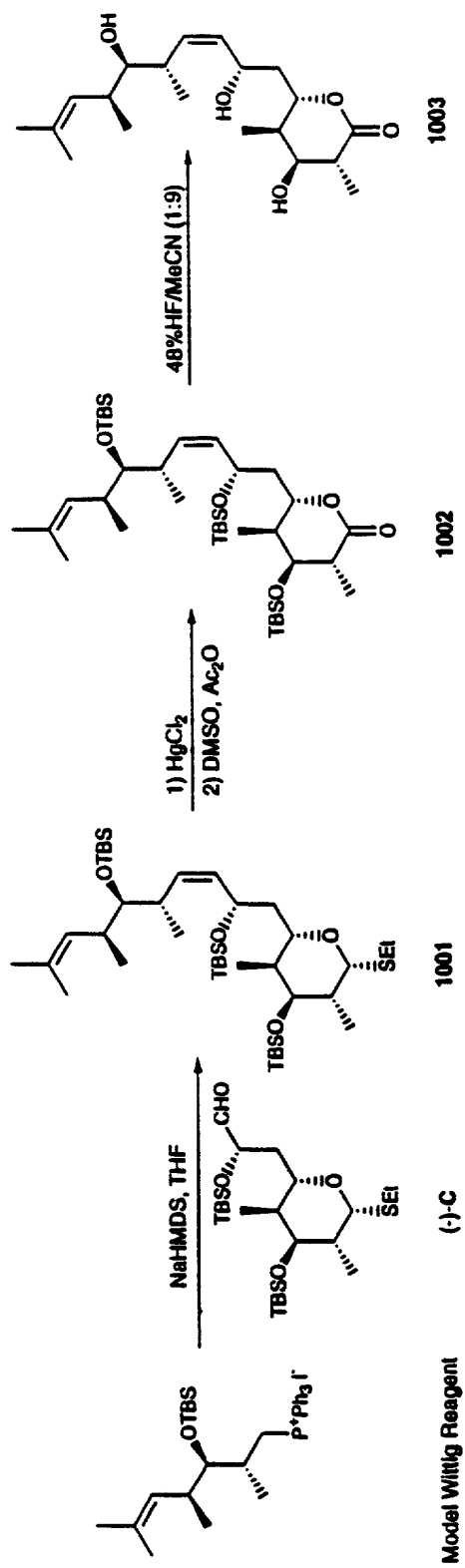
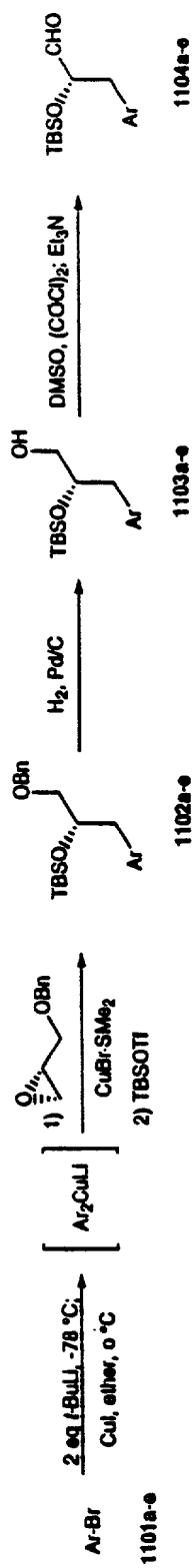
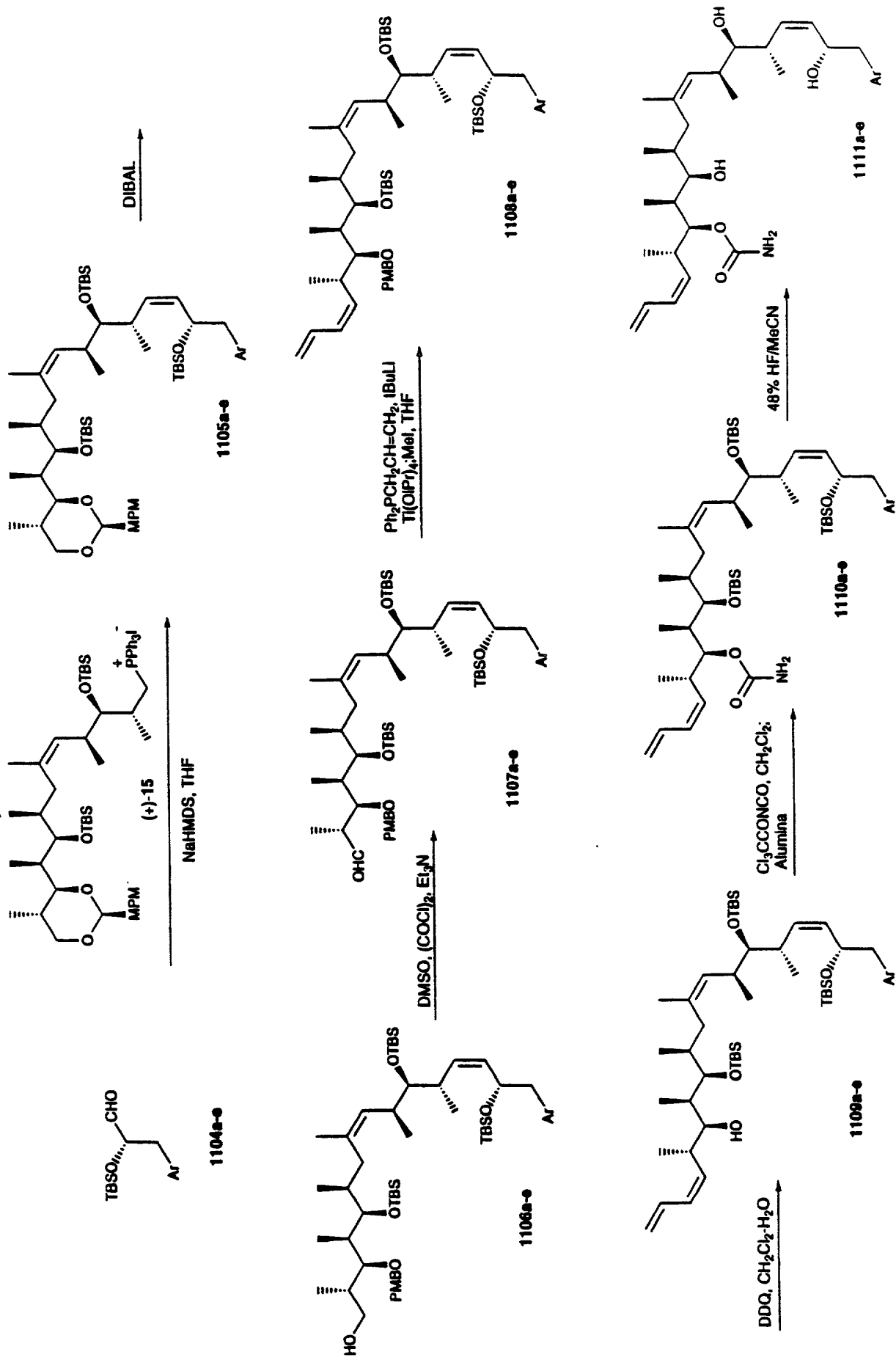
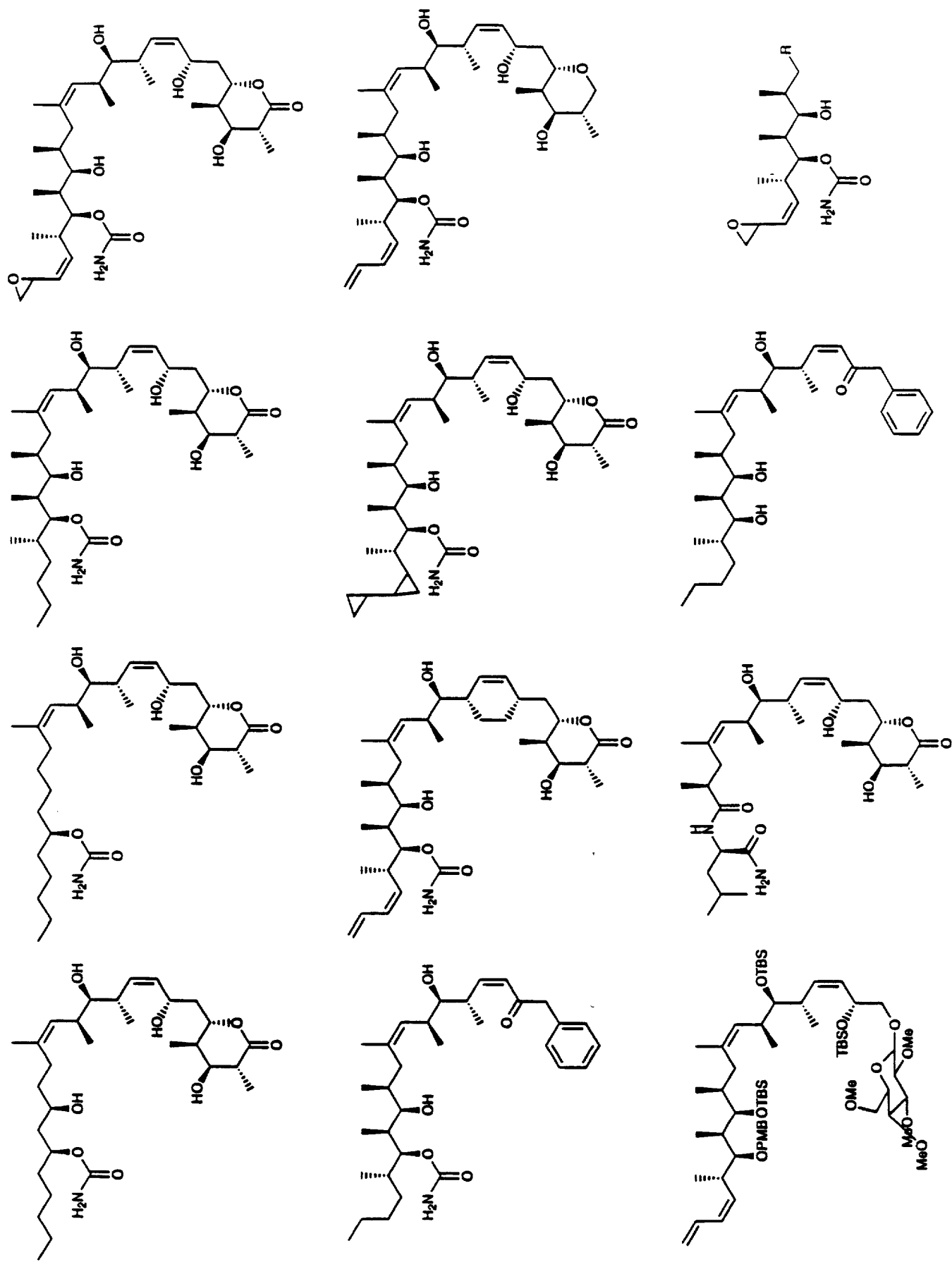
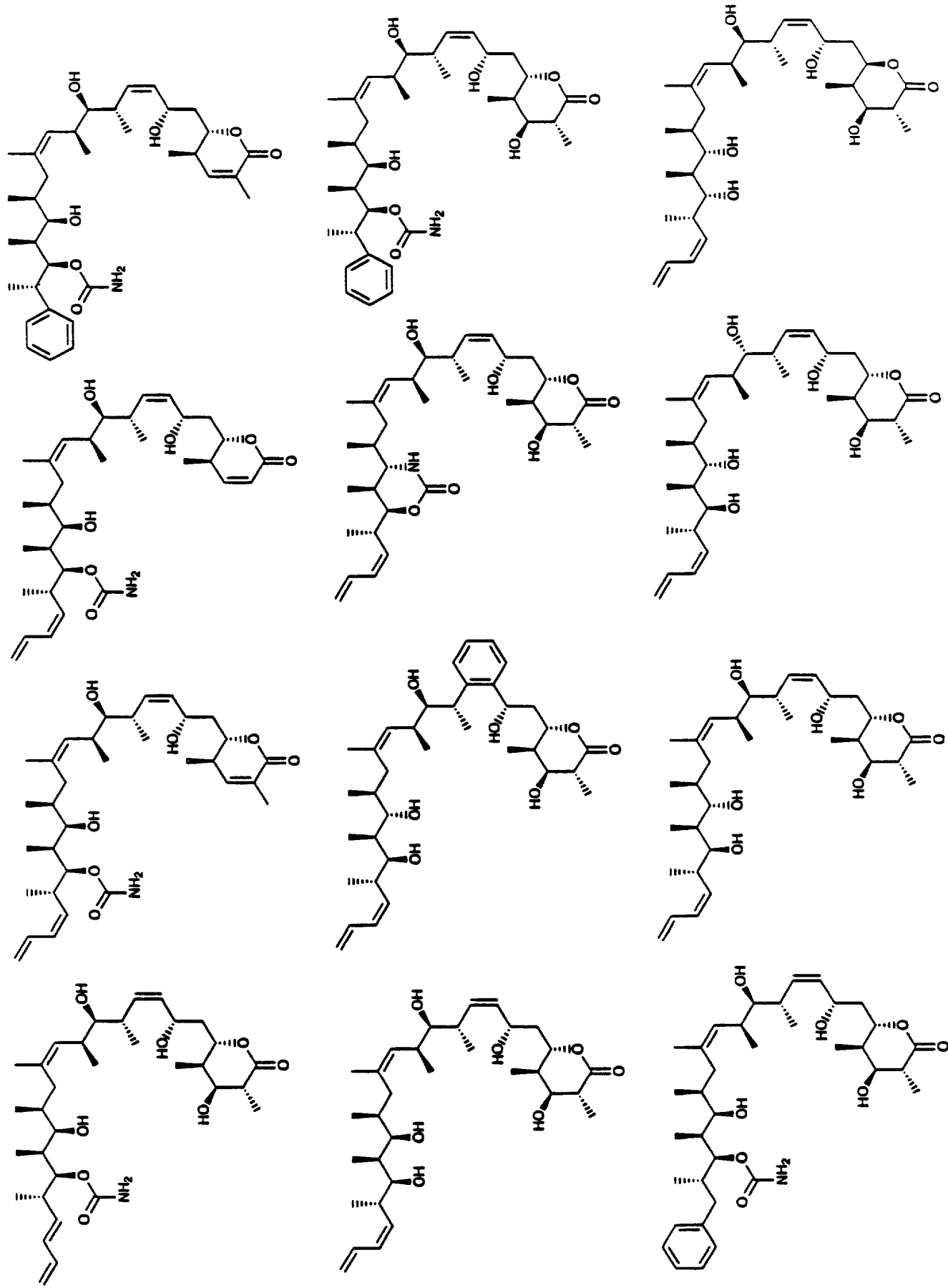


Figure 31









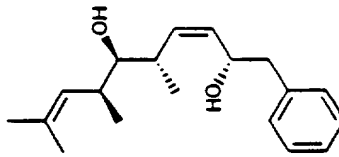
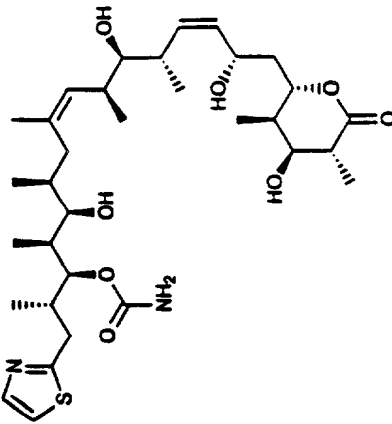
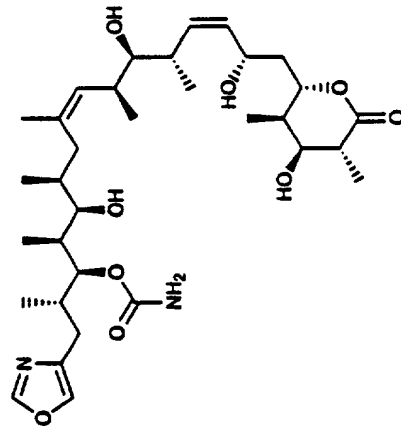
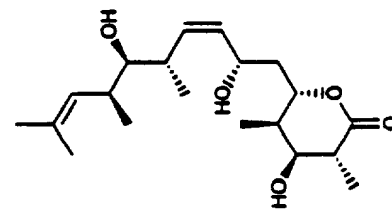
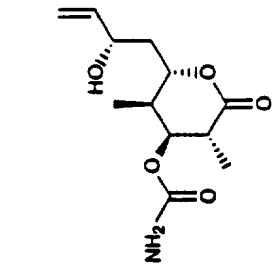
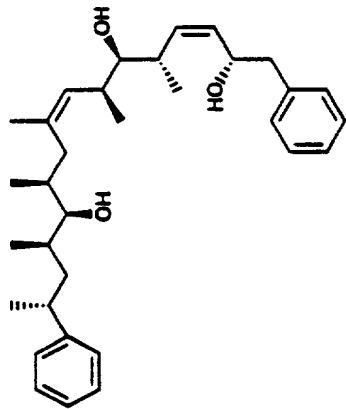
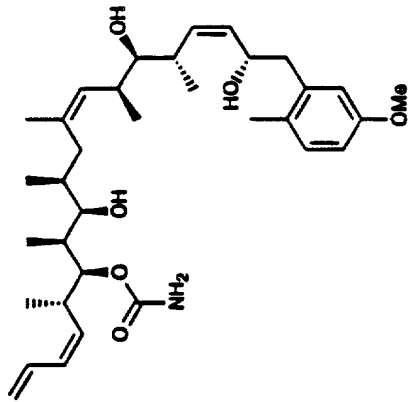
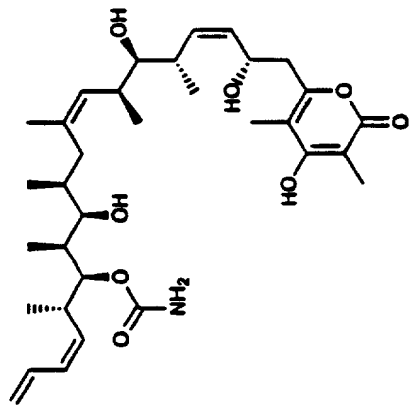
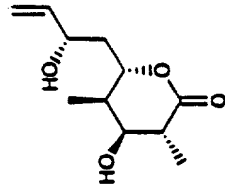
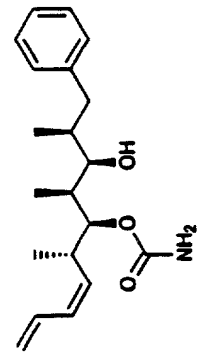
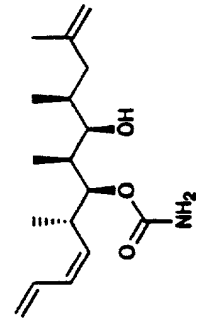
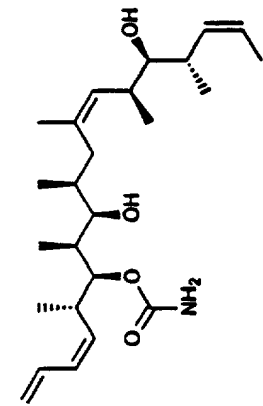


Figure 36

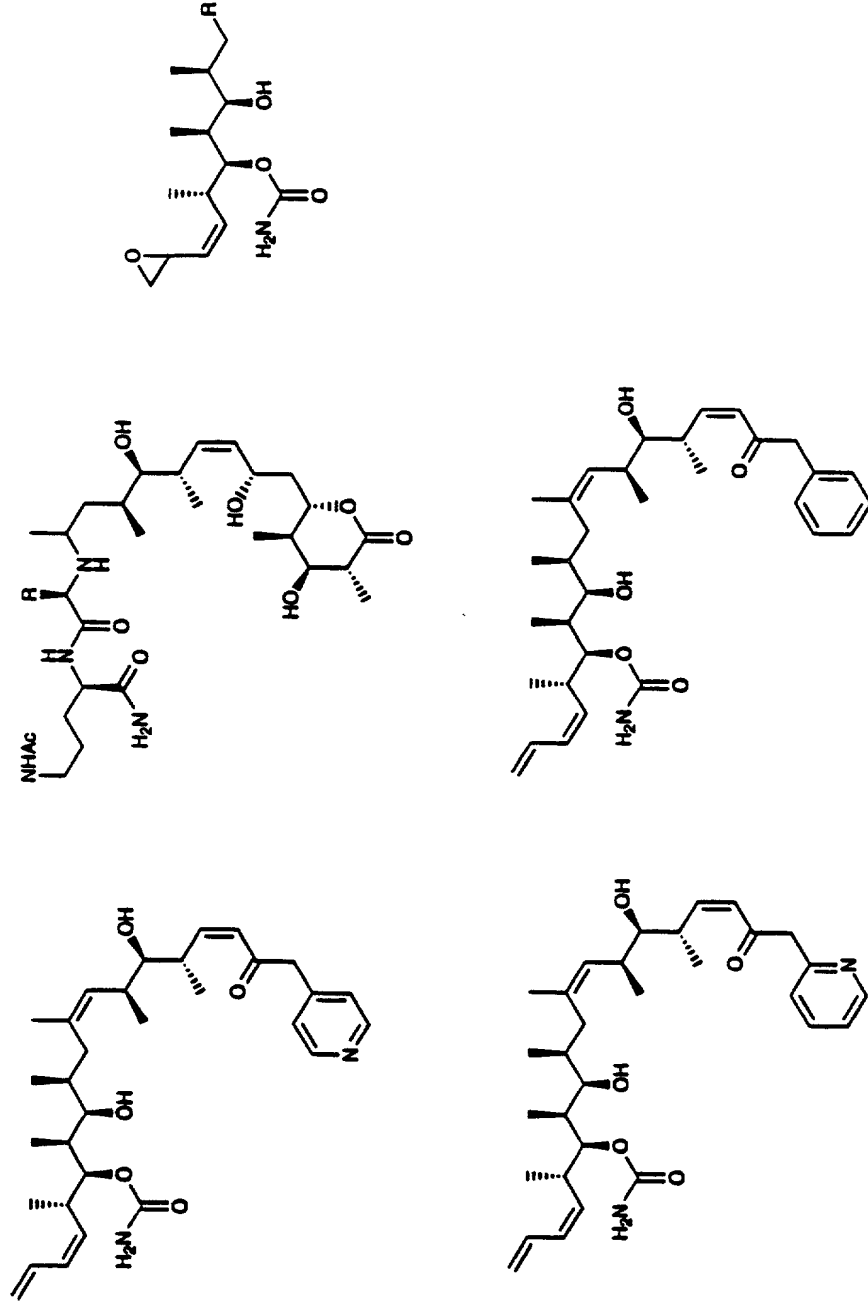


Figure 37

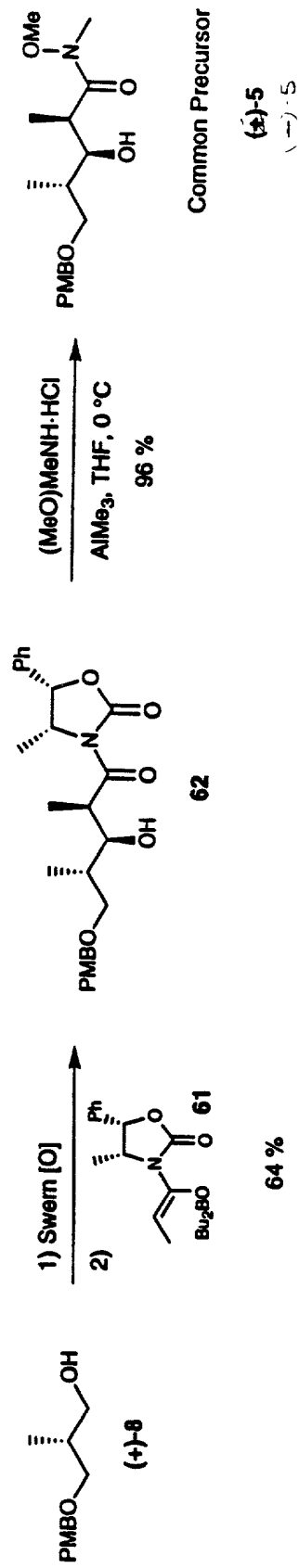


Figure 38

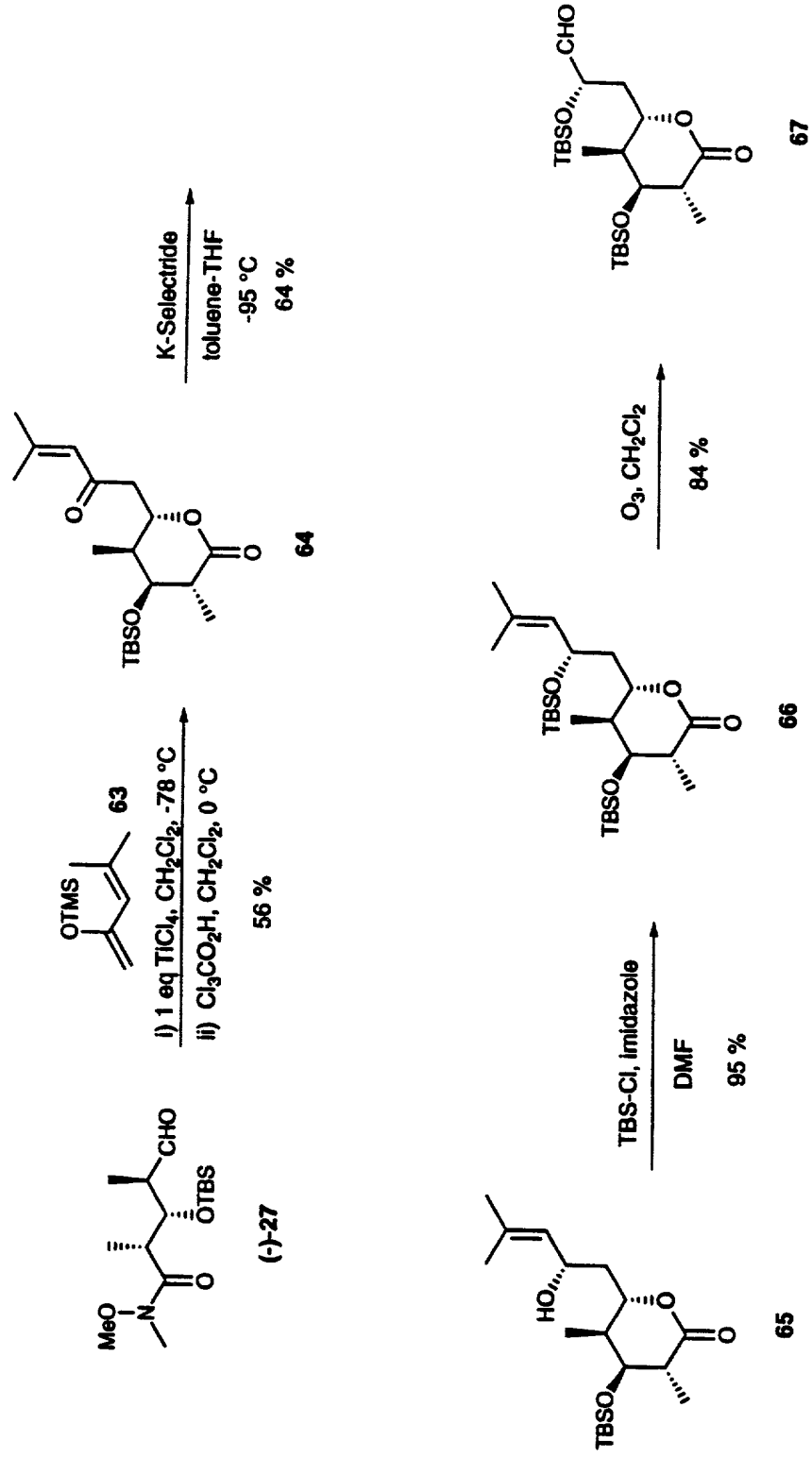


Figure 39

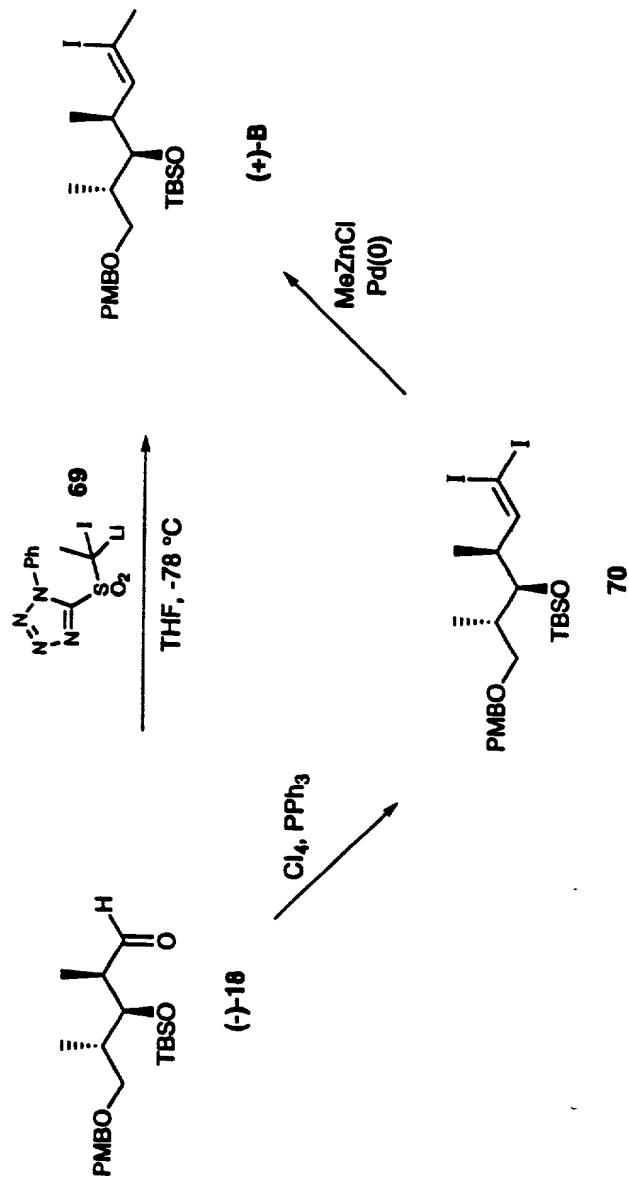


Figure 40

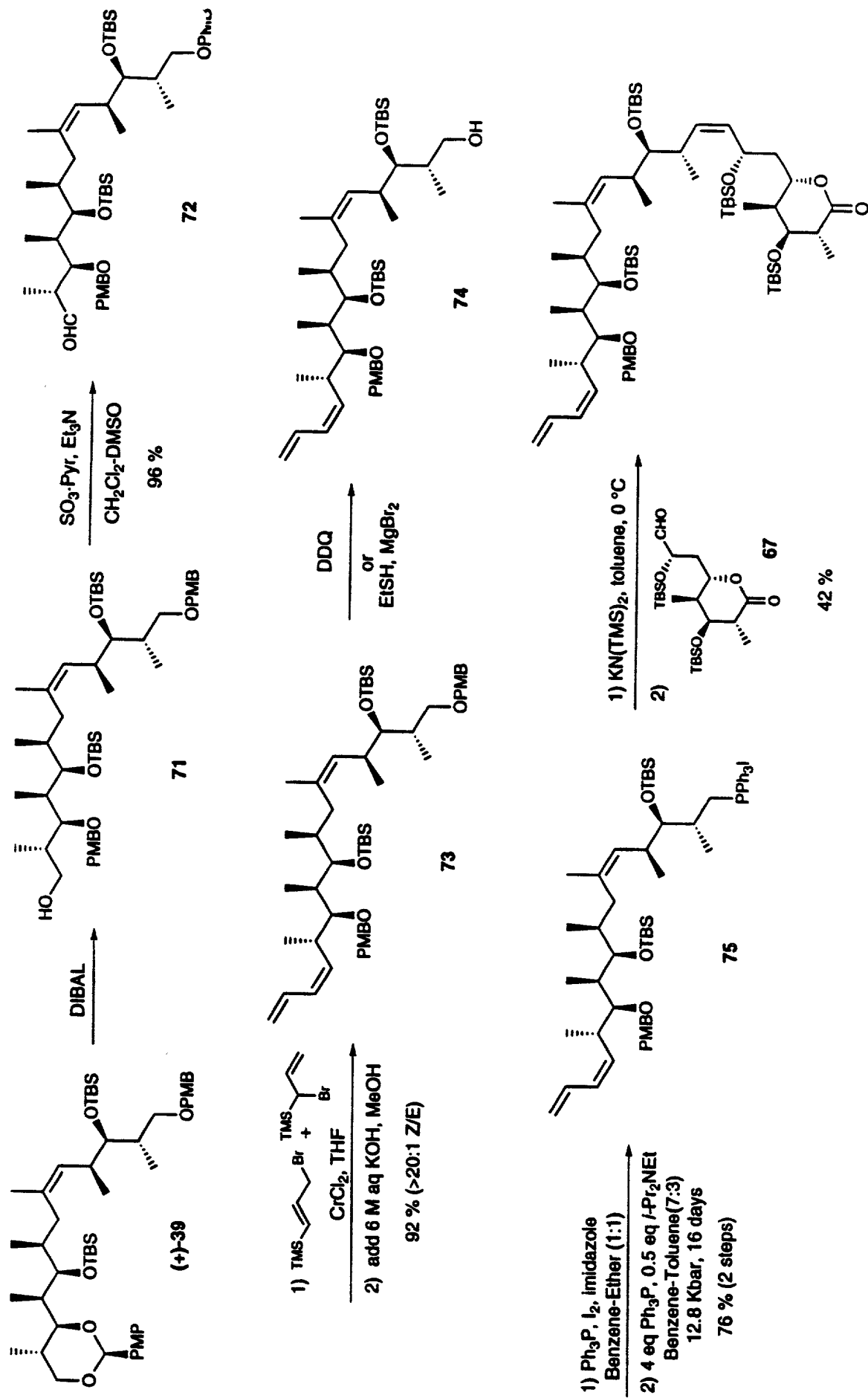


Figure 41

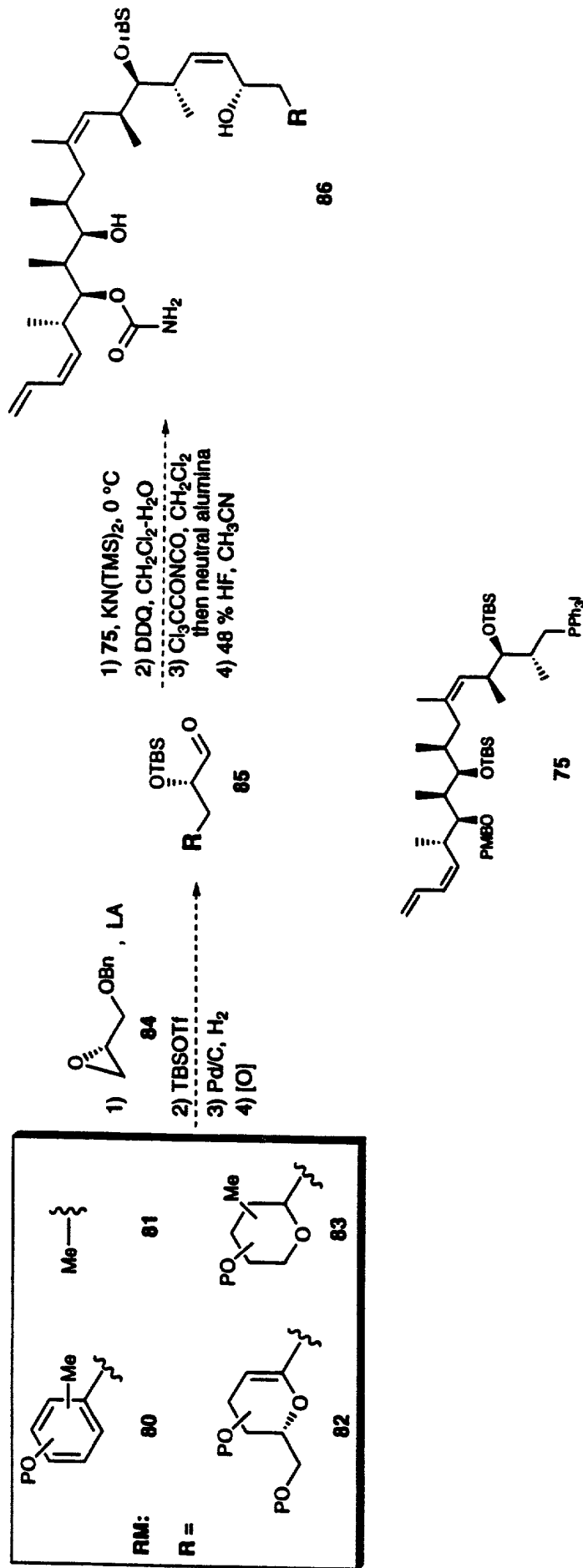






Figure 44

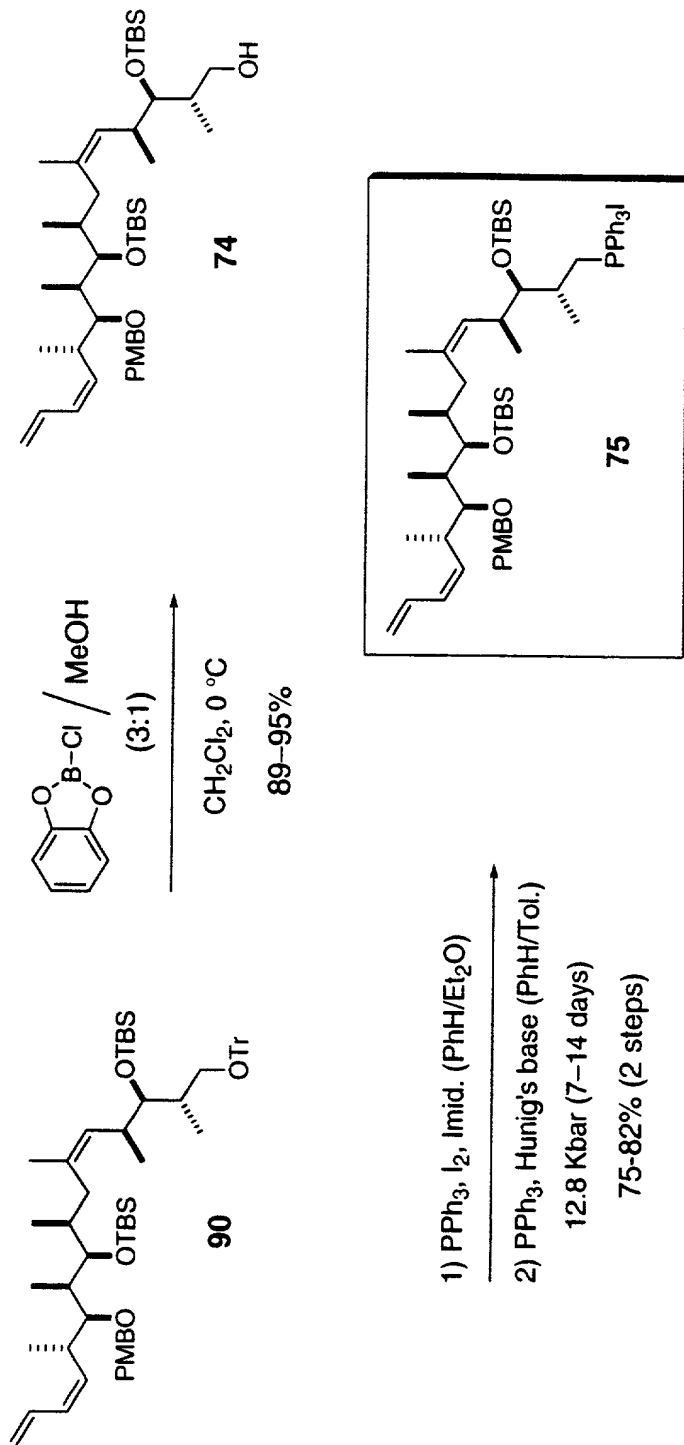


Figure 45

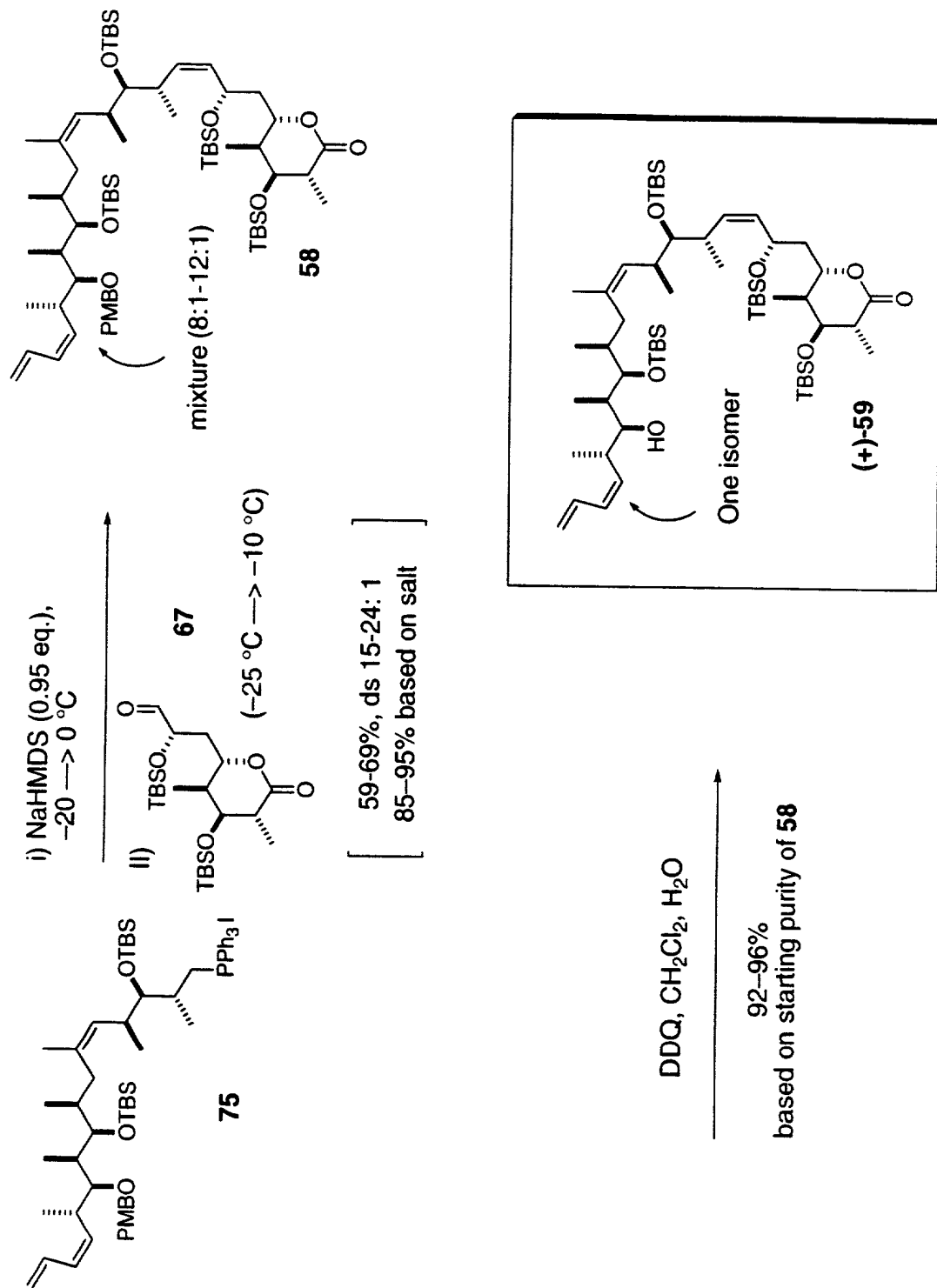


Figure 46

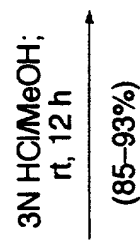
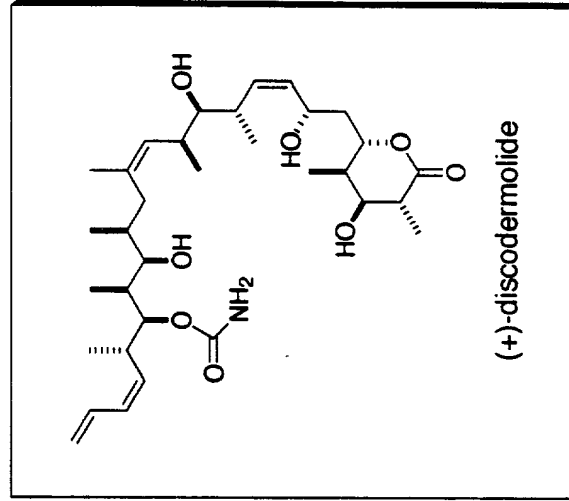
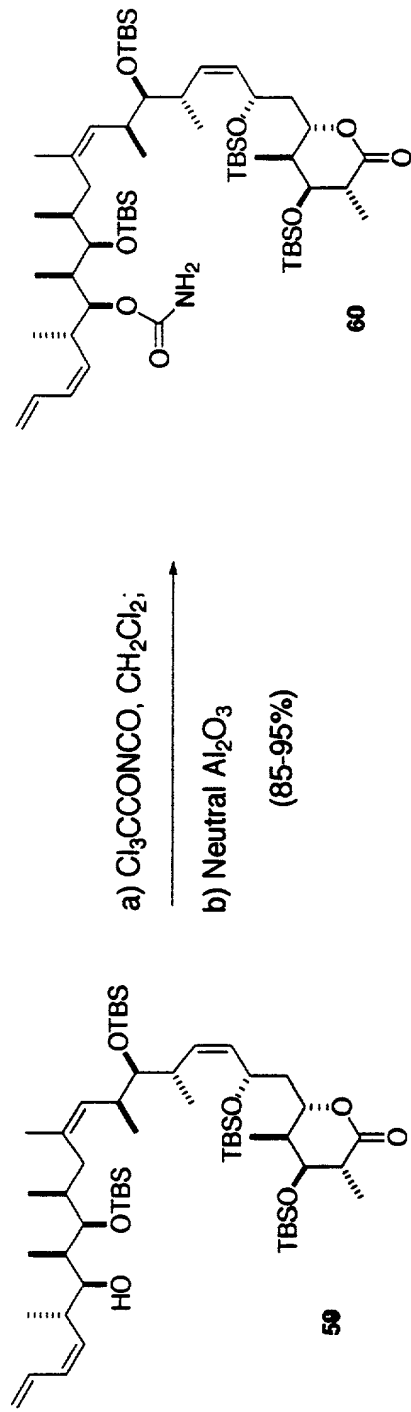


Figure 47

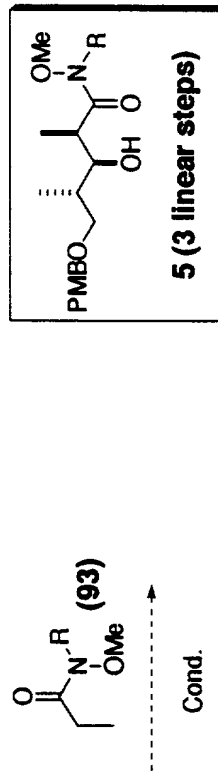
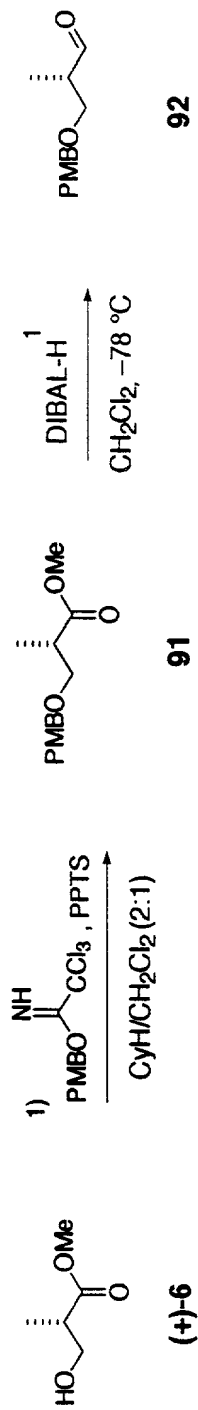


Figure 48

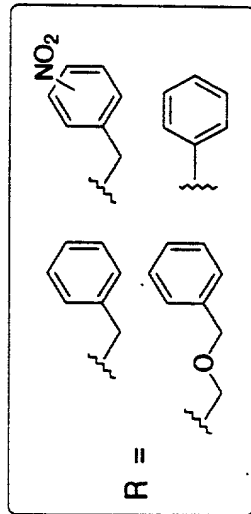
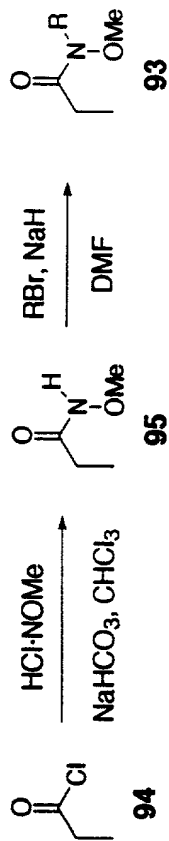


Figure 49

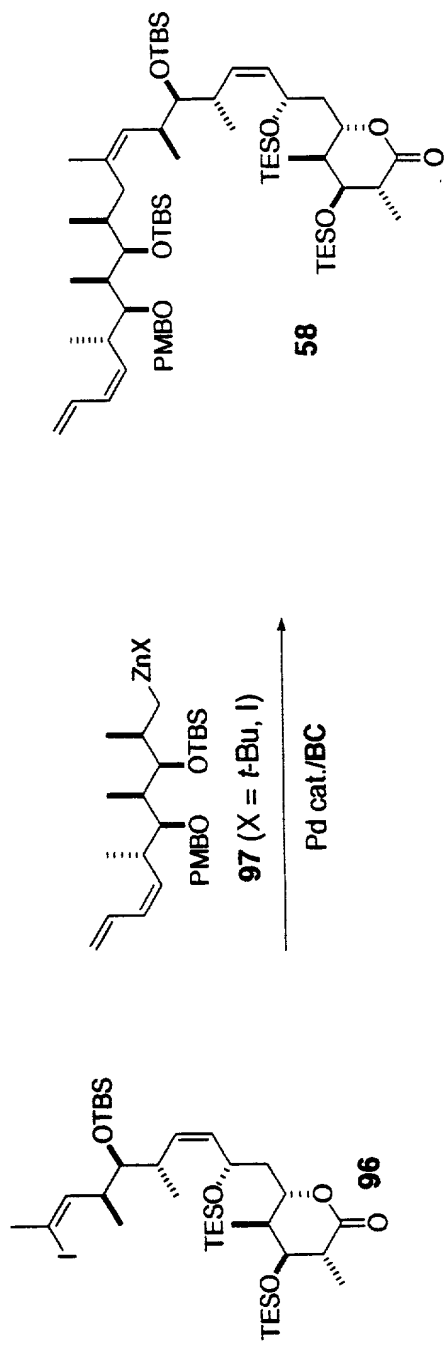


Figure 50

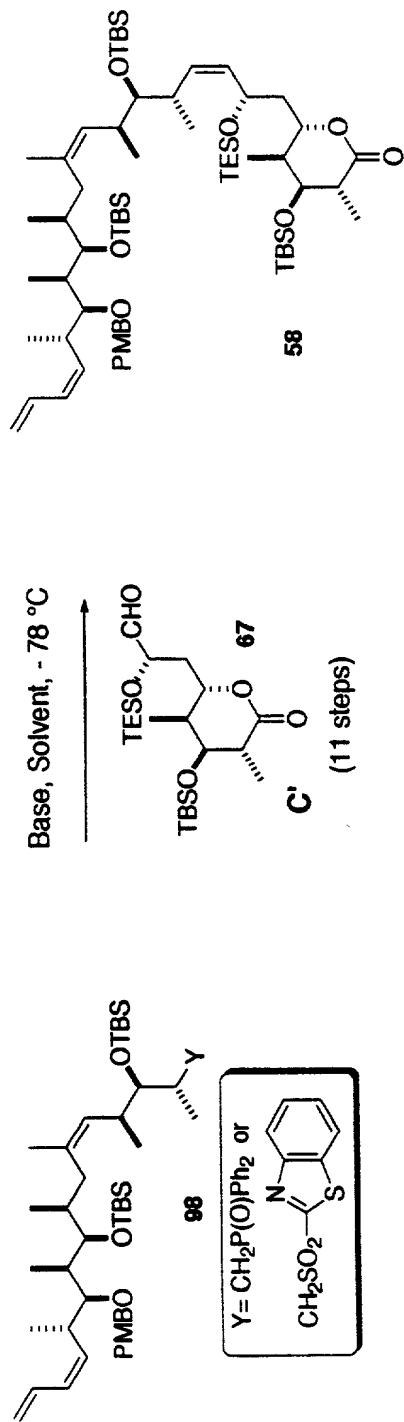


Figure 51

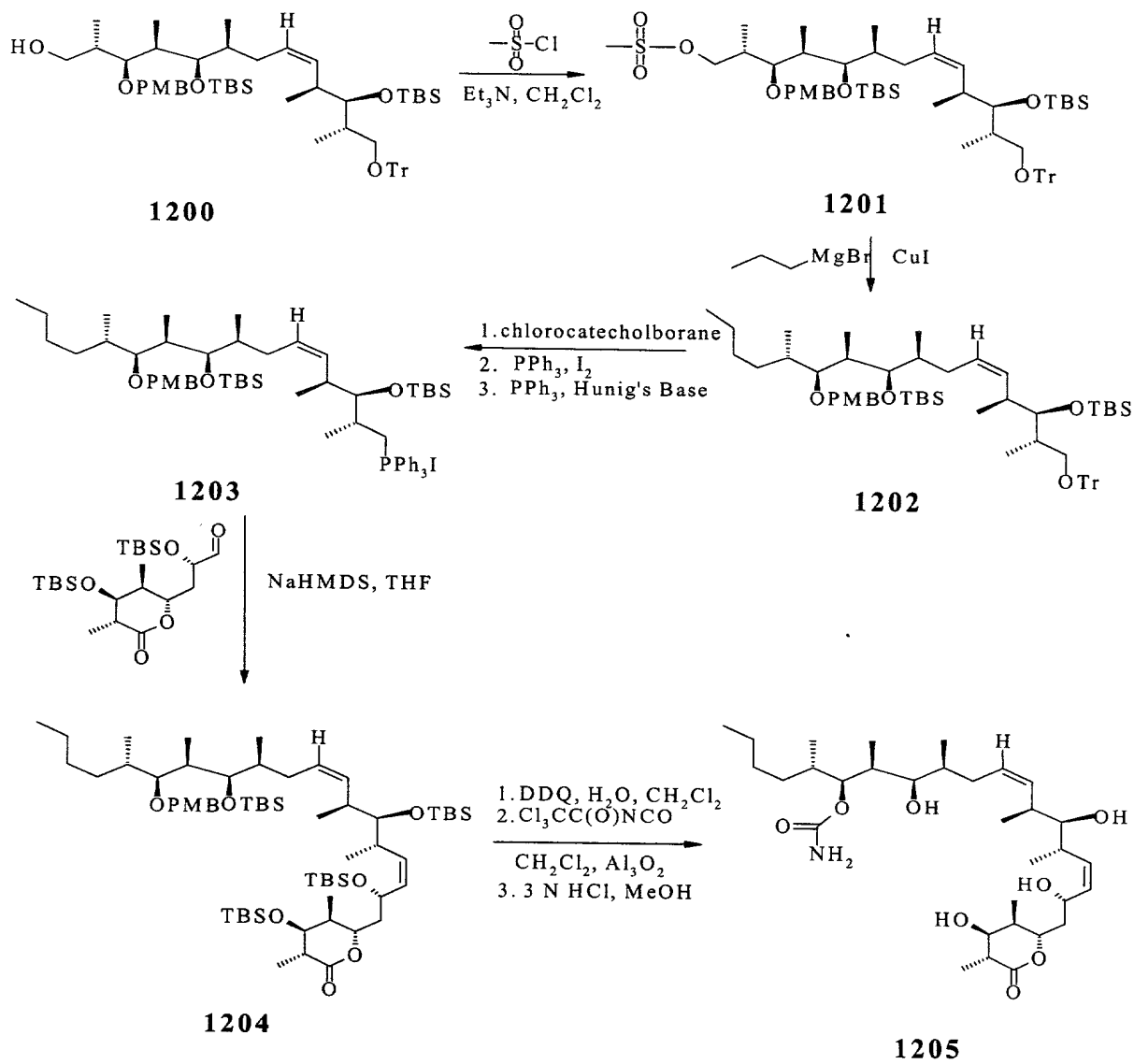


Figure 52

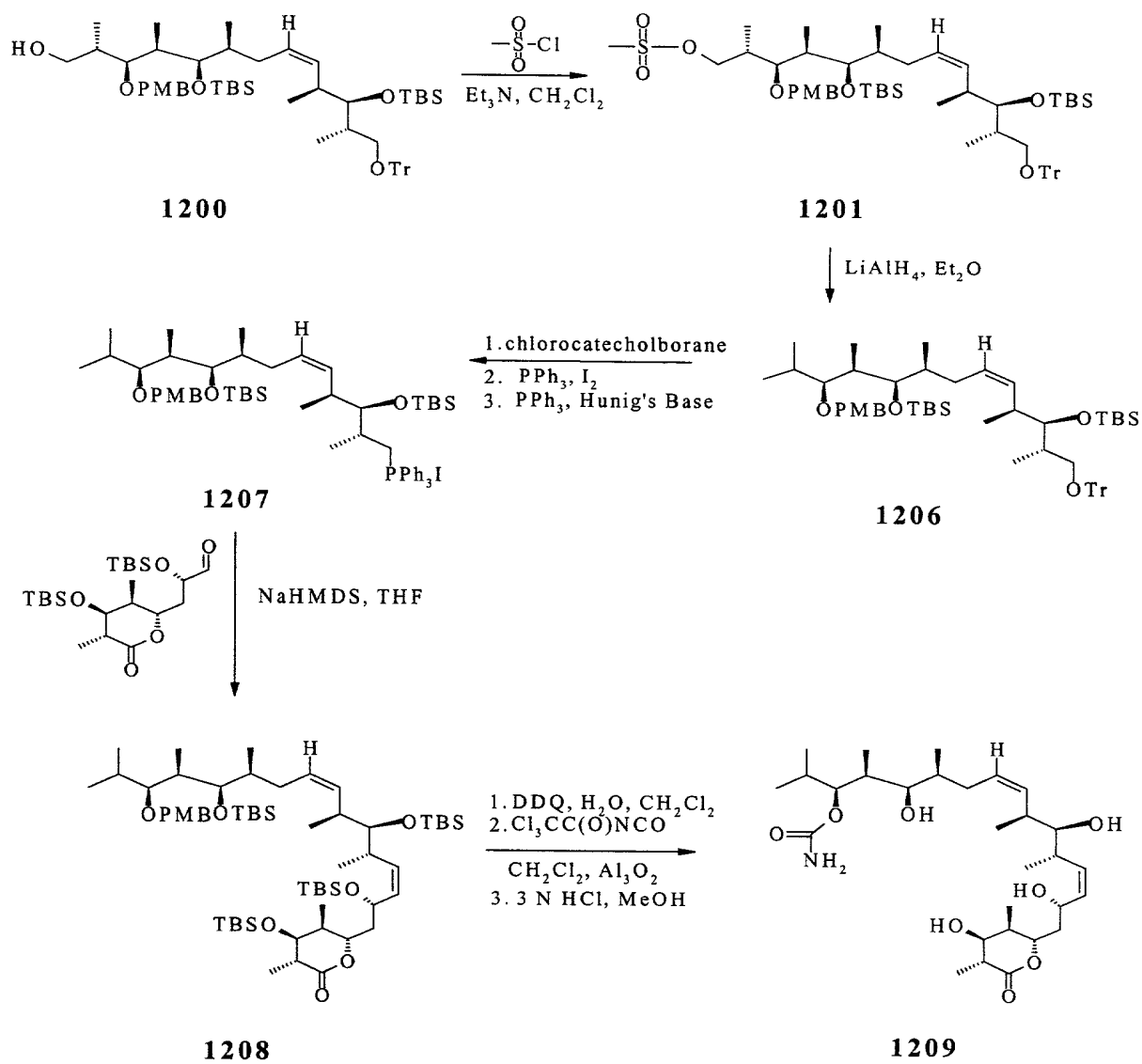


Figure 53

